

# Resource Marketing Services Inc.

821 17th Street, Denver, Colorado 80202 • (303) 892-9185

March 28, 1980

Mr. Glenn Doyle  
U. S. Geological Survey  
Oil & Gas Office  
P. O. Box 3768  
Grand Junction, CO 81502

Dear Glenn:

Enclosed is an original, notarized Affidavit of Water Rights' Possession, acknowledging that Coseka Resources (U.S.A.) Limited has the right to use such water to drill the Middle Canyon Location #4-30-16-24.

If this affidavit is not sufficient for processing the Environmental Analysis, please contact me immediately.

Sincerely,

RESOURCE MARKETING SERVICES INC.

*Thomas deG. Graham*

Thomas deG. Graham

TdeGG:gd

Encl.



AFFIDAVIT OF WATER RIGHTS' POSSESSION

By Fee Owner

STATE OF Colorado }  
COUNTY OF Montrose } ss.

Frank P. Spadafora, also known as, being first duly sworn,  
Frank Spadafora  
deposes and says:

That I am of lawful age and reside in Montrose County,  
State of Colorado

That I am the owner of water rights situated in the County of  
Grand State of Utah

covering lands described as follows, to-wit:

Township 17 South, Range 24 East

Section 32: All

Township 18 South, Range 24 East

Section 5: All

(water to be taken from pond in NW<sup>4</sup>NE<sup>4</sup> of said Section 5)

That I have been in open, adverse, exclusive, continuous and undis-  
puted possession of said rights for more than 7 years last past.

That I am using and maintaining said water rights.

That I have entered into a contractual agreement with Coseka Resources  
granting said corporation the right to use and transport an amount of water  
sufficient to drill and complete an oil and gas well located in Lot 1 of  
Section 30 of Township 16 South, Range 24 East, Grand County, Utah

Frank Spadafora  
Frank Spadafora

STATE OF Colorado }  
COUNTY OF Montrose } ss.

ACKNOWLEDGMENT FOR INDIVIDUAL

Before me, the undersigned, a Notary Public, within and for said County and State on this 27th  
day of March, 19 80, personally appeared Frank Spadafora  
and \_\_\_\_\_, to me personally known to be the identical  
person who executed the within and foregoing instrument and acknowledged to me that he executed  
the same as a free and voluntary act and deed for the uses and purposes therein set forth, and at the same  
time the affiant was by me duly sworn to the foregoing Affidavit of Possession.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above  
written.



## REFERENCES

- 1 BLM-Moab, Book Mountain Unit Resource Analysis
- 2 Keller, Edward A., Environmental Geology, 488 pages, 1976, Charles E. Merrill.
- 3 Utah State Division of Health, Conservation Committee, Utah Air Conservation Regulations, Revised February, 1979, Bureau of National Affairs, Inc.
- 4 Perkins, David M., Seismic Risk Maps, Reprint-Earthquake Information Bulletin, Nov-Dec 1974, Vol 6, No. 6.
- 5 von Hake, Carl A., Earthquake History of Utah, NOAA.
- 6 BLM-Utah, Final Initial Wilderness Inventory, 50 pp, August 1979, USDI.
- 7 Brown, Merle, Climates of the States - Utah, 15 pp, Climatography of the U.S., No. 60-42, Feb. 1960.





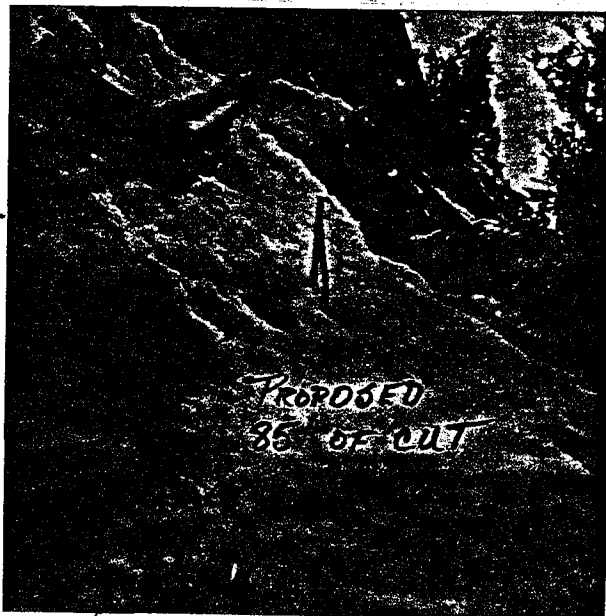
Coseka #4-30-16-24  
Wellstake View NE



Coseka #4-30-16-24  
Drainage to west of wellsite  
View SE



Coseka #4-30-16-24  
View S, east side

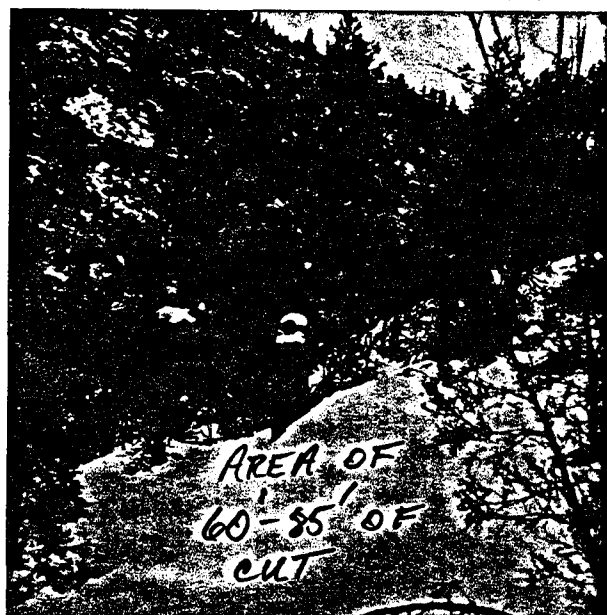


Coseka #4-30-16-24  
SE stake, View south  
PROPOSED CUT





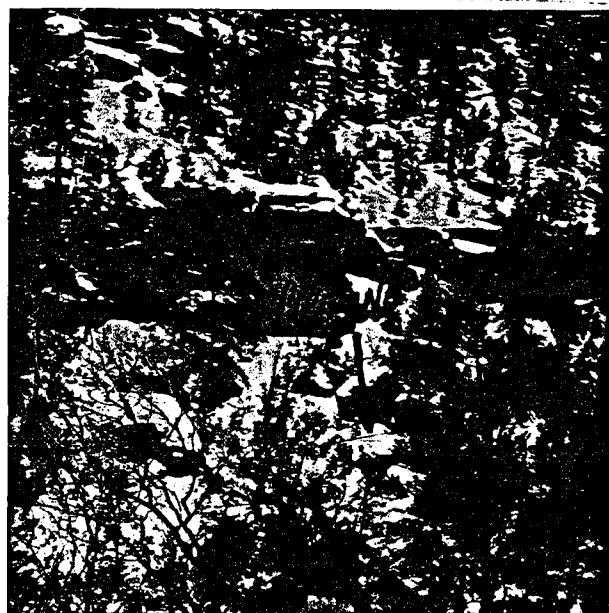
Coscha #4-30-16-24  
View E; SE corner



Coscha #4-30-16-24  
View N; east side

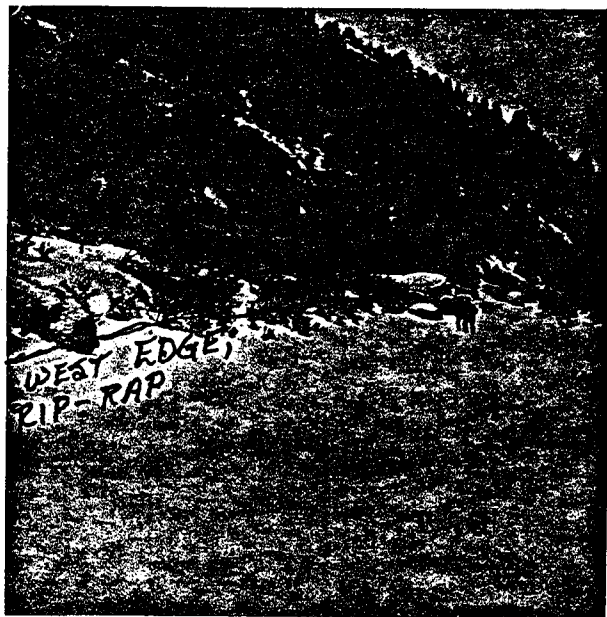


Coscha #4-30-16-24  
View N; drainage & west  
edge of pad



Coscha #4-30-16-24  
View W from SE corner stake

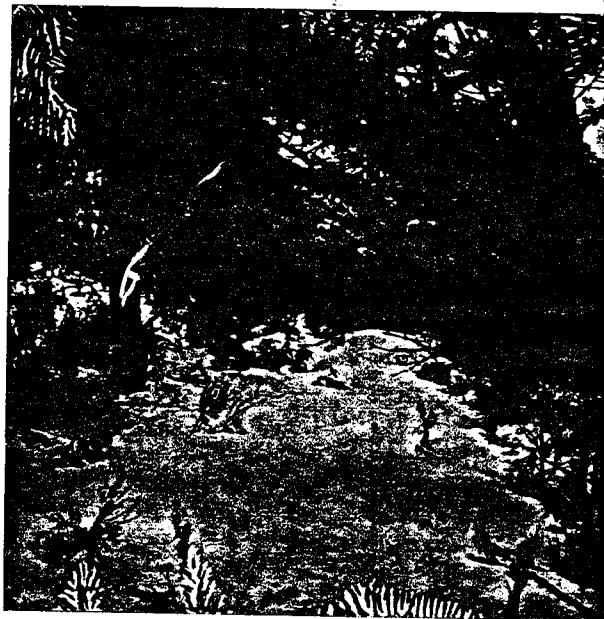




Coseka # 4-30-16-24  
View S; west edge of pad where  
rock rip-rap will go



Coseka # 4-30-16-24  
View N; west edge of revised  
pad - No fill in wash



Coseka # 4-30-16-24  
View of wellstake to the SE



#### STIPULATION

As to lands administered by the Bureau of Land Management under the above oil and gas lease, the lessee hereby agrees that the following stipulations are by this reference incorporated as terms and conditions of said lease:

Lessee shall submit in writing to the Bureau of Land Management District Manager of the district in which the land is located for advance written approval by that office, a detailed plan of operation respecting any operation which will, or which may, result in damage to property or land or scarring of the land surface, or induce erosion, including any planned use of bulldozers, earth-moving equipment or similar mobile equipment. Said operations include, but are not limited to, exploratory drilling, the construction of access roads, and the conduct of seismic-graphic explorations. The said operations will be conducted only to the extent so approved in writing by the District Manager.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN THIS MANNER  
(Other instructions on reverse side)Form approved,  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

U-30123

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Coseka Resources ( U.S.A.) Limited

3. ADDRESS OF OPERATOR

718 17th Street, Suite 630, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)

At surface

617' FWL, 707' FSL, Section 30, T16S R24E, S.L.B. & M.,  
Grand Co., Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6216'

7. UNIT AGREEMENT NAME

Middle Canyon

8. FARM OR LEASE NAME

Federal

9. WELL NO.

4-30-16S-24

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

SW SW Sec 30 T16S R24E

12. COUNTY OR PARISH

GRAND

13. STATE

UTAH

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☒  
☒

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐  
☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHED STATEMENT.

AN ONSITE INSPECTION OF THIS LOCATION WAS CONDUCTED ON THURSDAY,  
FEBRUARY 21, 1980.APR 3 1980  
APR 3 1980

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE OPERATIONS MANAGER

DATE

3/28/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Rev

APPENDIX I

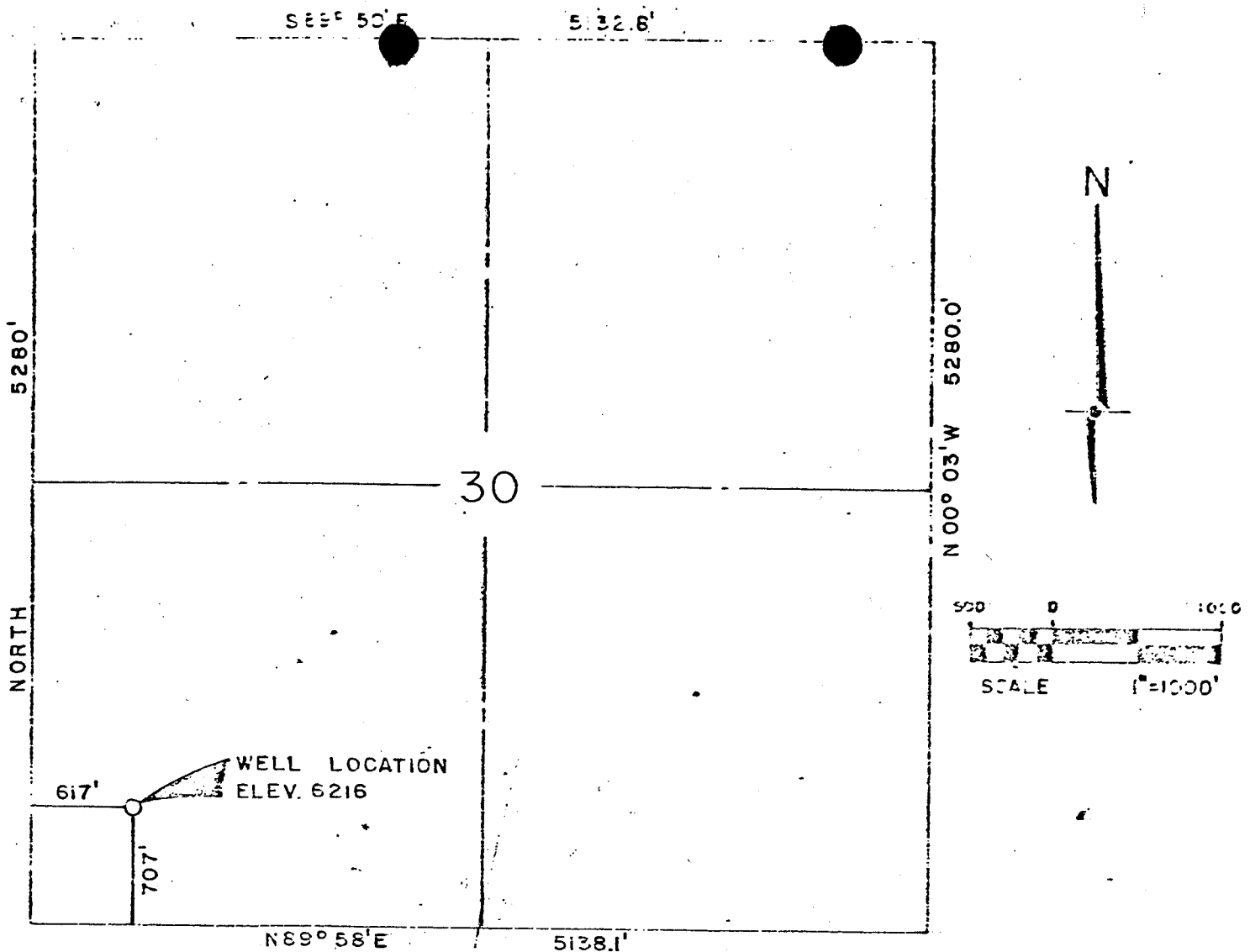


*to construct a small trial*

COSEKA RESOURCES PROPOSES TO ~~HOLD EXPIRING LEASES IN THE MIDDLE CANYON~~  
*pad - snow cover prevents full archaeological survey of proposed*  
~~UNIT BY SETTING 200' OF 13 3/8" 48# SURFACE PIPE AS OUTLINED IN THE~~  
*disturbed area, about 100' x 100' - with archaeological monitoring*  
ORIGINAL APD CASING PROGRAM. A TEMPORARY, SMALL PAD, 100' x 100',  
*during construction - move a small rig. Trial a*  
WILL BE CONSTRUCTED UNDER THE SUPERVISION OF REPRESENTATIVES OF THE  
*17 1/2 inch hole to 200-300' and run and cement 13 3/8"*  
USGS AND THE BLM, AND A TRUCK-MOUNTED SPUDDER WILL BE USED TO SET THE  
*surface casing. Release the small rig and move in*  
SURFACE PIPE. ALL PHASES OF CONSTRUCTION OF THE TEMPORARY PAD WILL BE  
*a rig capable of accommodating the approved program*  
MONITORED BY A QUALIFIED ARCHAEOLOGIST, AND THE EXISTING ROAD AND  
*to finish the well. It is proposed that the large*  
DRAINAGE WILL BE USED AS ACCESS TO GET THE TRUCK-MOUNTED SPUDDER TO  
*rig can be moved in and operations recommence*  
THE LOCATION. NORTHWEST PIPELINE WILL BE NOTIFIED PRIOR TO THESE  
*within 60 days of the setting surface casing. This*  
OPERATIONS SO THEY CAN PROVIDE ASSISTANCE IN NEGOTIATING VEHICLES  
*will snow melt, drying, archaeological survey and*  
AROUND OVERHANGING, EXISTING SURFACE GAS PIPELINE WHICH FOLLOWS THE  
*report of the total proposed area of disturbance, and*  
FLOOR OF MIDDLE CANYON. WITHIN NINETY DAYS AFTER SETTING SURFACE

PIPE, COSEKA RESOURCES WILL COMPELTE THE LOCATION ACCORDING TO THE  
SPECIFICATIONS APPROVED IN THE ORIGINAL APD, AND WILL RECONSTRUCT THE  
MIDDLE CANYON ROAD ACCORDING TO SPECIFICATIONS NEGOTIATED AND SET OUT  
IN THE FINAL APPROVED APPLICATION FOR PERMIT TO DRILL. MR. ELMER  
DUNCAN AND MR. DEL BACKUS, BLM, MOAB, UTAH; MR. GLENN DOYLE, USGS,  
GRAND JUNCTION, COLORADO; AND MR. BILL MARTENS, ASSISTANT DISTRICT  
ENGINEER, USGS, SALT LAKE CITY, UTAH, HAVE BEEN NOTIFIED OF INTENT TO  
FOLLOW THIS CHANGE IN PLANS, AND HAVE INDICATED PRELIMINARY APPROVAL  
OF THIS REQUEST. COSEKA RESOURCES PLANS TO COMMENCE THIS WORK ON OR  
BEFORE APRIL 30, 1980 AND WILL CONDUCT DILIGENT OPERATIONS ACROSS  
APRIL 30th TO EXTEND LEASES IN THE PROPOSED MIDDLE CANYON UNIT.





### WELL LOCATION

707.1 FT. N S.L. - 617.1 FT. E W.L.  
SECTION 30, T.16 S., R.24 E., SLB & M  
GRAND COUNTY, UTAH

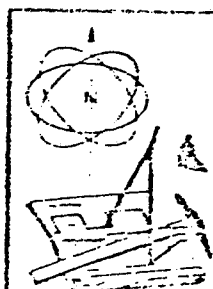
### SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

*Edward A. Armstrong*

EDWARD A. ARMSTRONG E & L.S. 4464

**ARMSTRONG ENGINEERS**  
ENGINEERING-SURVEYING  
CONCRETE & SOILS TESTING

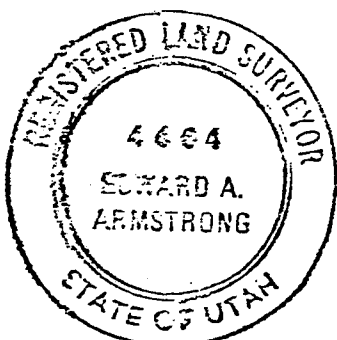


1"=1000'  
8/17/79  
CMB  
EAA  
8/16/79

COSEKA RESOURCES (USA) LTD  
FEDERAL NO. 4-30-16-24

SHEET 1 of 2

JOB NO. 515  
792325





## LOGGING AND CORING INSTRUCTIONS

**SAMPLES:**

Collect every	<u>30'</u>	ft. to	<u>3116'</u>	(or top of Mancos "B")
Collect every	<u>20'</u>	ft. to	<u>3411'</u>	(or base of Mancos "B")
Collect every	<u>30'</u>	ft. to	<u>5546'</u>	(or top of Dakota)
Collect every	<u>10'</u>	ft. to	<u>5726'</u>	(or base of Dakota)
	<u>20'</u>	ft. to	T.D.	

Forward set(s) of Samples to:

American Stratigraphic Co.

6280 E. 39th Avenue

Denver, Colorado 80207

## ELECTRIC AND POROSITY LOGS

Plan to Run: Mud: DIL, Compensated Neutron-Formation Density.

(Note: If hole is switched from air to mud a sonic log might also be run and a dipmeter will be run through the Dakota)

Air: DIL, Compensated FDL, Compensated SNL

(Note: Temperature Log may be run if the well is flowing gas)

CORING

Estimated Core Point \_\_\_\_\_ Footage \_\_\_\_\_

POSSIBLE DST's:

DST NO.

## FORMATION

CALL DEPTH: Contact Exploration Geologist in Denver office

at Trip to remove stabilizers before drilling into

Dakota or 100' above the top of the Dakota.

STOP DEPTH: Do not drill below top of the Dakota.

without Geologist and/or mud logger on location.



COSEKA RESOURCES (U.S.A.) LIMITED  
718 17th Street, Suite 630  
Denver, Colorado 80202  
573-6178

OPERATOR: Coseka Resources (U.S.A.) Limited

LOCATION: Utah

T16S-R24E-Section 30 NE SW SW

ELEVATION: Grnd. 6216 Meas

GEOLOGIST: Michael Martin

ENGINEER: Don Dunckley

WELL NAME: 4-30-16-24

Middle Canyon

COUNTY & STATE: Grand Co., Utah

KB: \_\_\_\_\_

PHONE: (303) 986-7306

355-4917

PHONE: 243-3846

### ESTIMATED FORMATION TOPS

<u>FORMATION</u>	<u>DEPTH from GL</u>	<u>(<sup>+</sup>) ELEVATION</u>
Mancos	1652	+4564
Castlegate	*1896	+4320
Mancos B	3416	+3100
Base Mancos B	3411	+2805
Dakota	5546	+ 670 datum
Cedar Mountain-Morrison	5726	+ 490
Entrada	6336	+ 120

Ref: Underwood-Gibbs 1-29 T16S-R24E-Section 29

\*Adjust tops to Castlegate when information is available

TOTAL DEPTH 6286'

## GEOLOGIC STATEMENT OF OBJECTIVES

All three units comprising the Dakota formation are primary objectives in this well. The Cedar Mountain-Morrison sequence is the secondary objective.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(Order Instructions on  
reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Coseka Resources (U.S.A.) Limited

3. ADDRESS OF OPERATOR

718 17th Street, Suite 630, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

617' FWL, 707' FSL, Sec 30 T16S R24E, S. L. B. & M., Grand

At proposed prod. zone

SW SW

County, Utah

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

65 miles west from Grand Junction, Colorado

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

617'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

360

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6240'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6216' ungr

22. APPROX. DATE WORK WILL START\*

Jan. 4, 1980

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2 "	13-3/8" NEW	48#	200'	250
11"	8-5/8" NEW	24# & 32#	2200'	150
7-7/8 "	5-1/2" NEW	15.5# & 17#	6200'	150

APPROVED BY THE DIVISION  
OF OIL, GAS, AND MINING

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

RECEIVED  
APR 24 1980

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED \_\_\_\_\_

TITLE Operations Manager

DATE 12-19-79

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE

APPROVED BY \_\_\_\_\_

TITLE

FOR E. W. GUYN  
DISTRICT ENGINEER

DATE

APR 23 1980

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

NOTICE OF APPROVAL

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

State of G

\*See Instructions On Reverse Side



Glenn

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&amp;G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-15889OPERATOR: COSEKA RESOURCES (USA) LTD. WELL NO. 4-30-165-24LOCATION: NW 1/4 SW 1/4 SW 1/4 sec. 30, T. 16 S., R. 24 E., SLMGRAND County, UTAH

1. Stratigraphy: SURFACE TUSHER FM. (MESA VERDE GP.) +6286' ✓  
1797 CASTLEGATESS +4489  
5482 DAKOTA +804  
5652 MORRISON +634  
6242 TD +44
2. Fresh Water: POSSIBLE IN MESA VERDE GROUP TO 2000' ✓
3. Leasable Minerals: PROSPECTIVELY VALUABLE FOR COAL, WHICH IS MOST LIKELY ✓  
SUBECONOMIC IN THE MESA VERDE GROUP.
4. Additional Logs Needed: RUN PROPOSED LOGS DOWN TO TOP OF MANCOS TO  
IDENTIFY COAL IN MESA VERDE
5. Potential Geologic Hazards: NONE ANTICIPATED
6. References and Remarks: USGS MAP I-736 BULL 852  
PI CARDS  
USGS FILES
- APPENDIX III

Signature: J. Owen BellinopleDate: 2 - 7 - 80



Oil and Gas Drilling

EA No. 182-80

United States Department of the Interior  
Geological Survey  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

USUAL ENVIRONMENTAL ASSESSMENT

Date April 21, 1980

Operator Coseka Resources Ltd. Well No. 4-30-16S-24  
Location 617' FWL 707' FSL Section 30 Township 16S Range 24E  
County Grand State Utah Field/Unit Middle Canyon  
Lease No. U-15889 Permit No. \_\_\_\_\_

Prepared by: Glenn M. Doyle  
Environmental Scientist  
Grand Junction, Colorado

Joint Field Inspection Date: February 21, 1980

Field Inspection Participants, Titles, and Organizations:

<u>Elmer Duncan</u>	<u>Bureau of Land Management</u>
<u>Glenn Doyle</u>	<u>U. S. Geological Survey</u>
<u>Tom Graham</u>	<u>Resource Marketing</u>
<u>Dallas Galley</u>	<u>Dirt Contractor</u>
<u>Jimmy Dean</u>	<u>Coseka</u>
_____	_____
_____	_____

Related Environmental Documents:

BLM-Moab, Book Mountain unit resource analysis.

BLM-Utah, 1979, Final initial wilderness inventory, USDI, August, 50 pp.

*Admin Council?*  
*Pcd 150x350*  
*Pct 20x175*  
*5 9/10 mi x 16 new access*  
*11 9/10 ac*

*Cond of Approval*  
*Pg 8 1-10*  
*CK sur CS9*  
*RE rpt*  
*may need add.*  
*sur CS9.*



## DESCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location                      State:     Utah  
    County:    Grand

617 ' F W L, 707 ' F S L, SW 1/4 SW 1/4

Section 30, T16S, R24E, SLM

2. Surface Ownership                      Location:        Public  
    Access Road:    Public

Status of Reclamation Agreements:    Not Applicable

3. Dates                      APD Filed:                                      12/21/79  
    APD Technically Complete:                      1/29/80  
    APD Administratively Complete:

4. Project Time Frame                      Starting Date:    April 1980  
    Duration of drilling activities:    14 days.

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year; revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes:

None known

6. Nearby pending actions which may affect or be affected by the proposed action:

None known

7. Status of variance requests:

None known

Background:

Coseka Resources proposed this location as a unit well to hold the proposed Middle Canyon Unit. This unit was designated on March 12, 1980. This unit has not yet been granted approval. An expiring lease exists within the proposed Middle Canyon Unit with an expiration date of April 30, 1980.

Because of the expiring lease unit situation, the fact that a ROW is being processed but is not yet approved, coupled with the impossibility of constructing 5.5 miles of road in this area before the April 30, 1980, deadline, and the approval of an archeologic monitoring program by the Bureau of Land Management, the operator has proposed a "technical spud" as described in the attached



Sundry Notice (Appendix I). This notice was received in the Grand Junction USGS-Oil and Gas Satellite Office on April 3, 1980.

Archeologic monitoring is warranted because clearance has not been granted due to snow cover. BLM-Moab has agreed to allow archeologic monitoring during construction of a 100' x 100' "technical spud" well pad. Operator will then, within 90 days, submit an archeologic report covering the 150' x 350' "permanent" wellsite and the 5.5 miles of new access to the BLM for clearance prior to construction.

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad 150' wide x 350' long and a reserve pit 20' x 175' would be constructed. Approximately 5.5 miles of new access road, averaging 16' in width, would be constructed from a maintained road. 11.8 acres of disturbed surface would be associated with the project. Special road design stipulations are detailed in the ROW approval.
2. Drilling
3. Waste disposal
4. Traffic
5. Water requirements
6. Completion
7. Production
8. Transportation of hydrocarbons
9. Other

Details of the proposed action are described in the Application for Permit to Drill.

The location was reduced in size to 150' x 350' to:

- a. Reduce cuts and fills as great as 85' to approximately 25',
- b. Avoid the main drainage to the west, and
- c. Accommodate the rig.

The access road was changed per the BLM engineer's stipulations which will accompany the ROW approval.

#### Environmental Considerations of the Proposed Action:

Regional Setting/Topography - The location lies on a steeply sloping east bench which is located in a cliff-bounded canyon bottom.



PARAMETER

A. Geology - Surface geology is the Green River Formation. Other formations listed in the 10-Point Subsurface Program.

Information Source: Application to Drill

1. Other Local Mineral Resources to be Protected: Prospectively valuable coal in subeconomic amounts in the Mesa Verde Group.

Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

The mineable zones should be isolated with cement from a point 100' below the formation to 100' above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000' has been deemed the lowest limit for cementing.

Information Source: MER, District Geologist; Mining Report.

2. Hazards:

- a. Land Stability: Location and access built on Green River Formation. Material is stable, provided the slopes are moderate and moisture content is low.

Information Source: Application to Drill

- b. Subsidence: Subsidence can occur with the withdrawal of oil, gas, and/or water.

Information Source: Keller, Edward A., 1976, Environmental geology, Charles E. Merrill, 488 pp.

- c. Seismicity: Seismic risk: low. Statistically, greatest damage would be moderate, corresponding to intensity VII of Modified Mercalli Intensity Scale, 1931.

Information Source: Perkins, David M., 1974, Seismic risk maps, Reprint of Earthquake information bulletin, 6(6) Nov-Dec.; Algermissen, S. T., and Perkins, David M., 1977, Earthquake hazards map of the United States, Reprint from Earthquake Information Bulletin, 9(1) Jan-Feb., 4 pp.

- d. High Pressure Zones/Blowout Prevention: No high pressure zones expected. Blowout prevention systems detailed in APD.

Information Source: Application to Drill



**B. Soils**

1. Soil Character: No detailed soil surveys done in area. Changes in soil fertility, horizons, slope stability, etc., cannot be predicted. Soils are considered nitrogen-poor, alkaline soils that support the salt-desert community.

Information Source: Field observation

2. Erosion/Sedimentation: Erosion/sedimentation would increase as would runoff potential. Extent of increases unpredictable without site-specific studies being done.

Information Source: Field observation

C. Air Quality Wellsite lies in Class II attainment area. No Class I attainment areas are near, or adjacent to, proposed location.

Information Source: BLM-Moab

D. Noise Levels - Ambient noise levels temporarily elevated. Personnel safety could be jeopardized. Wildlife would avoid area.

Information Source: Field observation

**E. Water Resources****1. Hydrologic Character**

a. Surface Waters: Proposed construction would fill the Middle Canyon main drainage for 400'. Increases in erosion and sedimentation potential would be high. Reducing pad width to 150' would significantly reduce impacts to this channel and would readily accommodate the rig.

Information Source: Jimmy Dean, Coseka; Field observation

b. Groundwaters: Changes to groundwater resources would occur as a result of drilling a water well. Groundwater withdrawal could cause subsidence. Pollution to aquifers (especially in the Mesa Verde Group) is possible.

Information Source: MER, District Geologist, Application to Drill, Field observation.

**2. Water Quality**

a. Surface Waters: Filling of the main drainage would increase erosion/sedimentation/pollution potential and thus decrease surface water quality.

Information Source: Field observation.



b. Groundwaters: Operator proposes 200' of surface casing. Commingling of drilling fluids with potentially usable water could render groundwater unusable. Pits would be lined with at least 1" of bentonite gel.

Information Source: Application to Drill, Field observation.

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the formal comments received from the Bureau of Land Management on April 18, 1980, we determine that there would be no effect on endangered and threatened species and/or their critical habitat.

2. Flora: Construction would remove about 11.8 acres of vegetation increasing potential for non-point erosion and decreasing soil fertility.

Information Source: Application to Drill, Bureau of Land Management.

3. Fauna: Vegetation removal reduces wildlife habitats and food sources. Deer are not known to winter in the area. No known migratory bird nesting areas, strutting or breeding grounds, or fish-spawning areas would be impacted by proposed action.

Information Source: Bureau of Land Management

G. Land Uses

1. General: Oil and gas operations, recreation, and grazing are major land uses. Amount and quality of land available to livestock, wildlife, and recreationists would be reduced during well life.

Information Source: Field observation

2. Affected Floodplains and/or Wetlands: N/A

Information Source: Field observation

H. Aesthetics: Operation would not blend with natural surroundings. Most likely unappealing to recreationists. Impact duration: life of well.

Information Source: Field observation

I. Socioeconomics: The effect of one well on local and regional population and economy would be considered minor. If major discovery, then consider: Population increase, community services taxed, resources depleted, cumulative impacts multiply, pipelines and transportation routes expand.

Information Source: G. Doyle, Environmental Scientist, USGS

J. Cultural Resources Determination: Based on the formal comments received from the Bureau of Land Management on April 18, 1980, we determine that there would be no effect on cultural resources subject to archeologic monitoring



required by the Bureau of Land Management during construction of the 100' x 100' pad (see Appendix I), the 150' x 350' pad, and the 5.5 miles of access road.

Information Source: Bureau of Land Management

K. Adequacy of Restoration Plans: Rehabilitation plan judged as adequate. Problems hampering restoration:

- a) Area subject to short growing season;
- b) Limited precipitation during growing season; and
- c) Generally, very little topsoil which has limited organic matter and is low in fertility.

Information Source: David Oberwager, Env. Spec. (Reclamation), USGS-AOSO

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.
2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

Adverse Environmental Effects:

1. If approved as proposed:

- a. About 11.8 acres of vegetation would be removed, increasing and accelerating erosion potential.
- b. Pollution of groundwater systems would occur with the introduction of drilling fluids into the aquifer(s). The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.
- c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
- d. The potential for fires, leaks, spills of gas and oil or water exists.
- e. During construction and drilling phases of the operation, noise and dust levels would increase.



f. Distractions from aesthetics during the lifetime of the project would exist.

g. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to Middle Canyon Wash would exist through leaks and spills.

h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of an irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.

i. Other:

- 1) By filling the drainage to the west, erosion/sedimentation/pollution potential would increase significantly;
- 2) By building a 400' x 400' pad, up to 85' of cut and 26' of fill would be required;
- 3) Archeologic remains could be destroyed unless archeologic monitoring is conducted during construction of the 100' x 100' "technical spud" well pad;
- 4) Archeologic clearance must be granted by the BLM on the 150' x 350' "permanent" well pad and the 5.5 miles of access road prior to their construction;
- 5) Leakage of fluids from the reserve pit due to fractured rock would significantly impact surface water quality;
- 6) Coal zones need to be protected;
- 7) Potential freshwater aquifers, especially in the Mesa Verde Group, need to be protected;
- 8) Extensive cuts into bedded sandstone on the east could not be successfully rehabilitated.

2. Conditional approval

a. All adverse impacts described in section one above would occur, except

- 1) By narrowing and shortening the well pad to 150' x 350', rip-rapping the pad along the west edge next to Middle Canyon Wash, and narrowing the reserve pit to 20' x 175', 85' cuts would be reduced to 25' cuts, 26' of fill would not be located in the drainage and would be reduced by about 10', thus reducing erosion/sedimentation/pollution potential significantly. This size well pad will readily accommodate the rig.
- 2) By lining the reserve pit with at least 1" of bentonite gel, potential leakage through fractures in bedded sandstone would likely be reduced,



- 3) BLM requires archeologic monitoring during construction of the "technical spud" 100' x 100' well pad,
- 4) BLM requires archeologic clearance on the "permanent" 150' x 350' wellsite and . miles of new access road,
- 5) The mineable zones should be isolated with cement from 100' above and below the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000' has been deemed the lowest limit for cementing,
- 6) Freshwater zones must be protected, especially in the Mesa Verde Group, to 2000' in depth.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. ~~See attached Lease Stipulations.~~
2. See attached BLM Stipulations.
3. Narrow and shorten "permanent" pad dimensions to 150' x 350'. ✓
4. Narrow reserve pit to 20' x 175' and line with at least 1" of bentonite gel. ✓
5. Rip-rap the west edge of the pad next to the main channel. ✓
6. Provide for archeologic monitoring during construction of the 100' x 100' "technical spud" well pad. All other stipulations listed in this EA *also* apply to the "technical spud" operations except the archeologic clearance). ✓
7. The mineable zones should be isolated with cement 100' above and below the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000' has been deemed the lowest limit for cementing. ?
8. Freshwater zones must be protected, especially in the Mesa Verde Group, to 2000' in depth.
9. BLM requires archeologic clearance on the "permanent" 150' x 350' wellsite and 5.5 miles of new access road.
10. Fence reserve pit on three sides prior to drilling, and on the fourth side once the rig moves off.

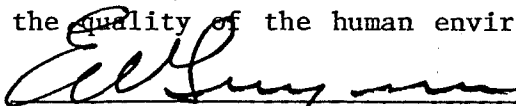
Controversial Issues and Conservation Division Response: None known.



We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(C).

 DISTRICT ENGINEER

APR 22 1980

Date

District Engineer  
U. S. Geological Survey  
Conservation Division  
Oil & Gas Operations  
Salt Lake City District



APPENDICES

APPENDIX I	Sundry Notice
APPENDIX II	BLM Stipulations
APPENDIX III	Mineral Evaluation Report
APPENDIX IV	Mining Report
APPENDIX V	Revised Rig Layout
APPENDIX VI	Water Use Agreement





# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District  
Grand Resource Area  
P. O. Box M  
Moab, Utah 84532

IN REPLY REFER TO

3100  
U-30123  
(U-603)

April 10, 1980

## Memorandum

To: Oil & Gas Office, USGS Conservation Division,  
P.O. Box 3768, Grand Jct., CO 81502

From: Area Manager, Grand

Subject: Coseka Resources Limited  
Federal 4-30, Lease U-30123  
Section 30, T. 16 S., R. 24 E., SLB&M  
Grand County, Utah

On February 21, 1980, a representative from this office met with Glen Doyle, USGS, and Tom Graham agent of Coseka Resources Limited for an inspection of the above referenced location. Subject to the attached conditions, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has not been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Coseka Resources Limited.

*C. Delano Backus*

Enclosures: (3)  
1-Reclamation Procedures  
2-Seed Sources  
3-Seed Mixture



*Rec'd from Operator  
Hank Carney*

U. S. Geological Survey  
Oil & Gas Office  
P. O. Box 3768  
Grand Junction CO 81501

18 APR REC'D

APPENDIX II



STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

- 1 Contact this office at least 24 hours prior to beginning construction of access road and pad.
- 2 Stockpile the surface six to eight inches of topsoil in a wind-row on the northeast of the location.
- 3 The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.
- 4 Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.
- 5 The "blooey" line will be centered and directed into the pit.
- 6 If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS, & USFS publication).
- 7 If production is obtained, all production facilities will be painted "desert tan" or a similar color approved by the Grand Resource Area Manager.
- 8 Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.
- 9 Production facilities and pipeline route are approved on this location under lease rights.
- 10 Additional stipulations agreed to at the pre-drill field examination - (See Sundry Notice in file date March 28, 1980. The notice explains part of the on-site discussion and items agreed to by Coseka).
- 11 Coseka Resources intended to drill a water well on the northeast corner of the location. (Now they propose to get water needed from the Westwater drainage near the Spadafore Ranch).
- 12 ~~During the "extended lease" period~~, Coseka will have an <sup>approved</sup> archaeologist culturally clear the well pad (including the surface 100 feet x 100 feet disturbed for preliminary spudding). The new access road will also be cleared by an archaeologist provided by Coseka, prior to any construction.
- 13 Due to topography, the rig layout size was reduced. The site will be confined between the East Canyon slope and the main channel drainage in the canyon bottom. Total site dimension will be 105 feet x 350 feet maximum. This will reduce the proposed 85 foot cut on southeast corner to approximately 20 feet.

150'  
HMD 4/18/80  
BLM topographic  
error



- 14 Rock rip-rap will be put along the east bank of the main Middle Canyon drainage, where it passes along the west boundary of the pad to prevent any water drainage to the site.
- 15 The pinon & juniper trees will be cleared from the pad, and piled on the southeast corner and east of the access road. The Douglas fir on the pad will be bucked into merchantable lengths, (8 foot long) and stacked separately near the other trees.
- 16 Access right-of-way stipulations will be applicable to the new road when the use is authorized by BLM.



## RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
  - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
  - a. Lay berms into centers.
  - b. Use cut material for fill areas.
  - c. Lay stockpiled surface soil over top of pads and spread evenly.
  - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
  - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

*	2%	Grade	-	200 ft. intervals
	2-4%	Grade	-	100 ft. intervals
	4-5%	Grade	-	75 ft. intervals
	5%	Grade	-	50 ft. intervals

\* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).



## SEED SOURCES

Arkansas Valley Seed Co.  
Attn: Robert Appleman  
3131 E. Alameda, Apt. 2104  
Denver, Colorado 80209

Arkansas Valley Seeds, Inc.  
Box 270  
Rocky Ford, CO 81067

Beaver Enterprises  
3416 Tamarack  
Boise, ID 83702

Berger & Plate Co.  
P. O. Box 7697  
San Francisco, CA 94120

Carhart, Ross O.  
Dove Creek, Colo. 81324

Cenex Seed Co.  
P. O. Box 1748  
Billings, MT 59103

Christensen, Art  
Box 186  
Dillon, MT 59725

Curtis and Curtis, Inc.  
Star Route, Box 8A  
Clovis, New Mexico

Robert Dye Seed Ranch, Inc.  
Pomerdy, WA 99347

Eiseman Seed Co.  
Box 277  
Fairfield, MT 59436

Etheridge, Paul H.  
Star St., Box 235B  
Powell, WY 82435

Emac Seed Co.  
Rt. 1, Box 850  
Willcox, AZ 85643

Globe Seed & Feed Co., Inc.  
Box 445  
Twin Falls, ID 83301

Boyd E. Globe & Sons  
Gunnison, Utah 84634

The Gooding Seed Co.  
Box 57  
Gooding, ID 83330

Dick Haynes, Farmaterials, Inc.  
Baker, OR 97814

McFarland Trading Co.  
P. O. Box 68  
Hubbard, OR 97032

Mallery, D. B.  
1506 NE Northview  
Bend, OR 97701

Mile High Seed Co.  
Box 1988  
Grand Junction, CO 81501

Montana Seeds, Inc.  
Rt. 3  
Conrad MT 59425

Coos Grange Supply  
1085 S. Second St.  
Coos Bay, OR 97420

Nomad Alfalfa, Inc.  
P. O. Box 217  
Forest Grove, OR 97116

Northplan Seed Products  
P. O. Box 9107

Northrup King & Co.  
P. O. Box 192  
Longmont, CO 80501

Northrup King & Co.  
Box 7746  
Boise, ID 83707



Sharp Bros. Seed Co.  
P. O. Box 11  
Healy, KS 67850

Sharp Bros. Seed Co.  
4378 Canyon Dr.  
Amarillio, TX 79109

Vic's Enterprises  
319 McKinley  
Rawlins, WY 82301

Rocky Mountain  
Landscaping & Sprinkler  
P. O. Box 624  
Ogden, UT 84401

S & S Seed  
382 Arboleda Rd.  
Santa Barbara, CA 93110

Steven Bros.  
P. O. Box 496  
Ephraim, UT 84627

CLYDE ROBIN SEED COMPANY, INC.  
Mr. Steven R. Atwood, V.P.  
P.O. Box 2091  
Castro Valley, CA 94546

LONGMONT SEED COMPANY  
51 Brown Street  
P.O. Box 923  
Longmont, CO 80501

GLOBE SEED & FEED COMPANY  
Mr. L.H. Haslam  
Truck Lane  
Twin Falls, Idaho

E. C. MORAN  
Stanford, Montana 59479

JACKLIN SEED CO. (Division of The Vaughan-Jacklin Corp.)  
Mr. John Thorne, Ph.D., Research Director  
(509-926-6241)  
E8803 Sprague Ave.  
Spokane, WA 99206

HORSELY-CUMMINGS SEED CO.  
Mr. Dave Cummings  
(801-723-5246)  
P.O. Box H  
Brigham City, Utah 84302

Gary Jorgenson  
Ephraim, UT 84627

John Plummer  
Ephraim, UT 84627

Roger Stewart  
Ephraim, UT 84627



SEED MIXTURE

Coseka 4-30  
Section 30, T. 16 S., R. 24 E.

lbs/ac.

Grasses

Indian ricegrass	Oryzopsis hymenoides	1.5
Russian wildrye	Elymus junceus	1.5

Forbs

Ladak alfalfa	Medicago sativa	.5
Yellow sweetclover	Melilotus officinales	.5

Browse

Four wing saltbush	Atriplex canescens	1
Winterfat	Ceretoides lanata	1
Bitterbrush	Pershia tridentata	<u>1</u>
		7.0



*Glenn*

*Cosika Resources*  
30-165-24E

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. 4-15889 *Well No. 4-30-165-24*

1. The location appears potentially valuable for:

- ☐ strip mining\*
- ☒ underground mining\*\* *Coal*
- ☐ has no known potential.

2. The proposed area is

- ☐ under a Federal lease for \_\_\_\_\_ under the jurisdiction of this office.
- ☒ not under a Federal lease under the jurisdiction of this office.
- ☒ Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

\*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at \_\_\_\_\_ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

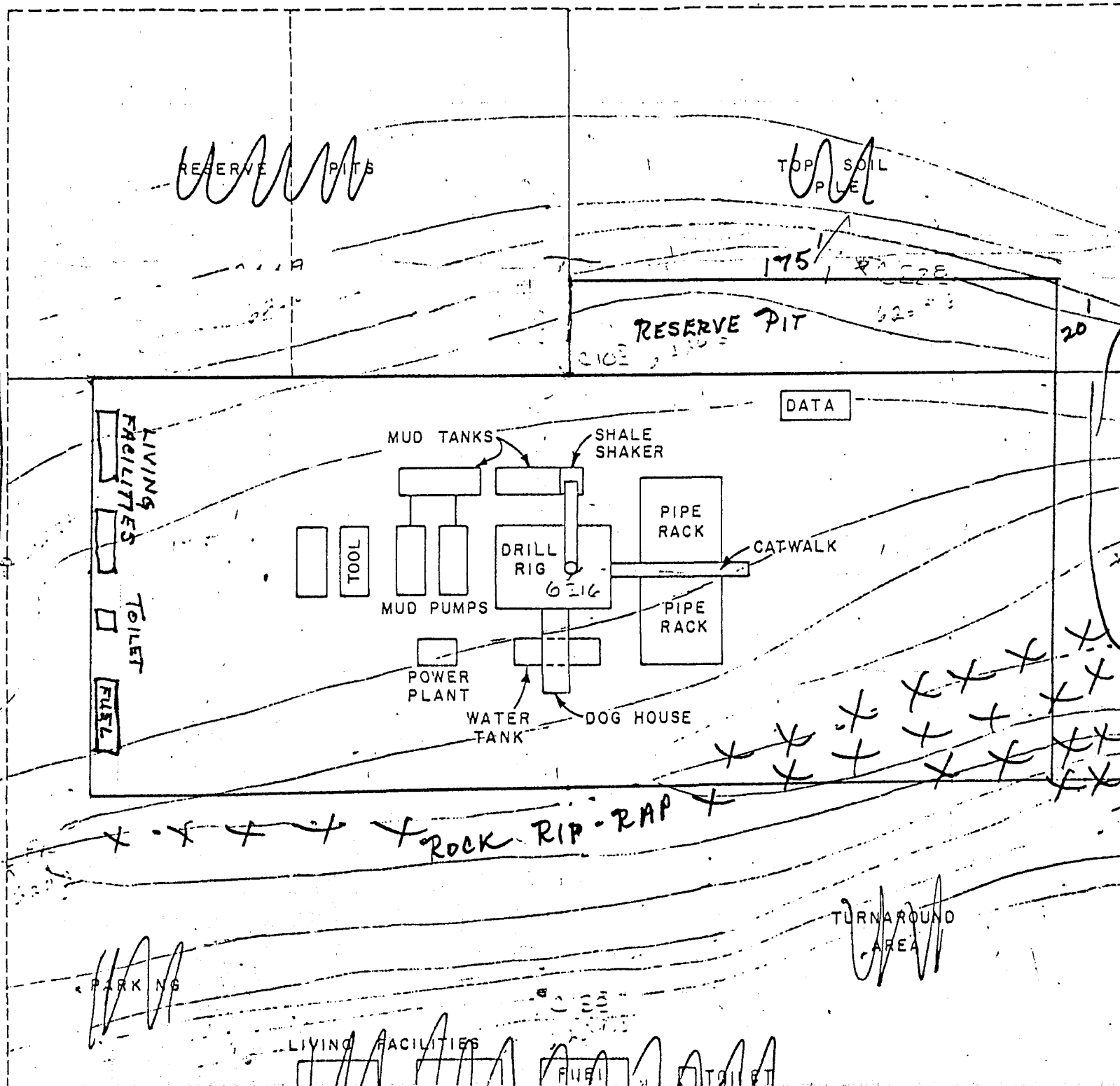
\*\*If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed *Allen J. Vance*

19 FEB RECD







\*\* FILE NOTATIONS \*\*

DATE: April 24, 1980

Operator: Cosco Resources, Ltd.

Well No: Middle Canyon <sup>4 Unit</sup> ~~Field~~ # 4-30-16-24

Location: Sec. 30 T. 16S R. 24E County: Grand

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-019-30641

CHECKED BY:

Geological Engineer: \_\_\_\_\_

Held for N-S or E-W designation - send copy of order 165-4 -  
Designated W 1/2 Section 30 per phone conversation Mike Caskey 5-6-80

Petroleum Engineer: M.Y. Minder 5-6-80

Director: \_\_\_\_\_

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☒ LO

Order No. 165-4 6/26/79

O.K. Rule C-3 ☒

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation 3rd - Unit not approved yet Unit Plotted on Map ☒

Approval Letter Written ☒

litm

#3  
standup

nl

PI





**COSEKA RESOURCES (U.S.A.) LIMITED**

718 17th STREET, SUITE #630, DENVER, COLORADO 80202 (303) 573-6178

**RECEIVED**

April 24, 1980

APR 28 1980

DIVISION OF  
OIL, GAS & MINING

State of Utah  
Division of Oil, Gas & Mining  
1588 West, North Temple  
Salt Lake City, Utah 84116

Re: Middle Canyon  
#4-30-16S-24  
Section 30-T16S-R24E  
Uintah County, Utah

Gentlemen:

Enclosed, in triplicate, is the State Application for Permit to Drill for the above referenced well along with Survey Plat and Geological Prognosis.

We plan to spud this well April 30, 1980 so your prompt attention will be greatly appreciated.

Very truly yours,

COSEKA RESOURCES (U.S.A.) LIMITED

*Brenda J. Groghan*

Brenda J. Groghan  
Production Secretary

/bg

Enclosures



**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN TRIPLICATE\*  
 (Other instructions on  
 reverse side)

5. Lease Designation and Serial No.

U-15889

6. If Indian, Allottee or Tribe Name

Middle Canyon Unit

7. Unit Agreement Name

Middle Canyon

8. Farm or Lease Name

Federal

9. Well No.

4-30-16S-24

10. Field and Pool, or Wildcat

Wildcat11. Sec., T., R., M., or Blk.  
and Survey or AreaSW SW Sec 30-T16S-R24E

12. County or Parrish 13. State

Grand Utah

# APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☐Gas Well ☒

Other

Single Zone ☒Multiple Zone ☐

2. Name of Operator

Coseka Resources (U.S.A.) LimitedAttn: Mike Caskey

3. Address of Operator

718 17th St., Suite 630, Denver, Colorado 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

617' FWL, 707' FSL, Sec 30-T16S-R24E, S.L.B.&M.,

At proposed prod. zone

Grand County, UtahSW SW

14. Distance in miles and direction from nearest town or post office\*

65 miles west from Grand Junction, Colorado

15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drlg. line, if any)617'

16. No. of acres in lease

32017. No. of acres assigned  
to this well320 360 standup18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

19. Proposed depth

6240'extra

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6216' ungr

22. Approx. date work will start\*

4/30/80

23.

## PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
<u>17-1/2"</u>	<u>13-3/8" NEW</u>	<u>48#</u>	<u>200</u>	<u>250 circ to surf.</u>
<u>11"</u>	<u>8-5/8" NEW</u>	<u>24# &amp; 32#</u>	<u>2200'</u>	<u>150</u>
<u>7-7/8"</u>	<u>5-1/2" NEW</u>	<u>15.5# &amp; 17#</u>	<u>6200'</u>	<u>150</u>

APPROVED BY THE DIVISION  
 OF OIL, GAS, AND MINING

DATE: 5-6-80BY: M. J. Minder

Spaced Unit W 1/2 of  
section!

# RECEIVED

APR 28 1980

DIVISION OF  
 OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

S. L. Wilkinson  
S. L. Wilkinson

Title

Chief Engineer

Date

4/24/80

(This space for Federal or State office use)

Permit No.

43-019-30641

Approval Date

5/6/80

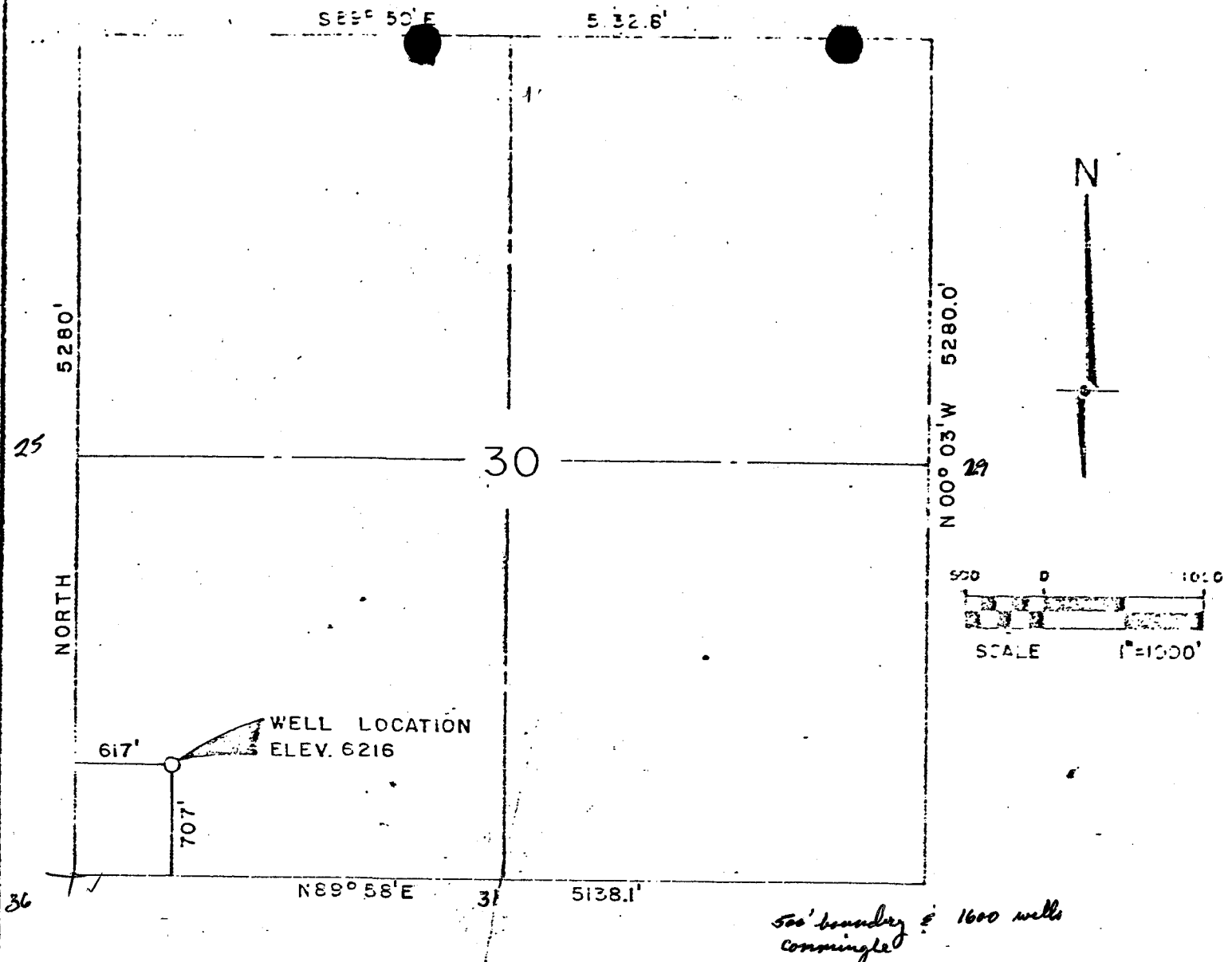
Approved by

Title

Date

Conditions of approval, if any:



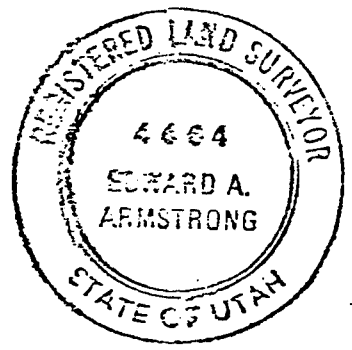


**WELL LOCATION**  
 707. FT. N S.L. - 617. FT. E W.L.  
 SECTION 30, T.16 S., R.24 E., SLB 8M  
 GRAND COUNTY, UTAH

**SURVEYOR'S CERTIFICATE**

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

*Edward A. Armstrong*  
 EDWARD A. ARMSTRONG E & L.S. 4464



	<b>ARMSTRONG ENGINEERS</b> ENGINEERING-SURVEYING CONCRETE & SOILS TESTING		
	1"=1000' 8/17/79 CMB EAA 8/16/79	COSEKA RESOURCES (USA) LTD FEDERAL NO. 4-30-16-24	
	<b>SHEET 1 of 2</b>		
	JOB NUMBER 792325		



DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: Coseka Resources, Ltd.

WELL NAME: Middle Canyon Unit #4-30-16-24

SECTION 30 SW SW TOWNSHIP 16S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Sunrise Drilling #1

RIG # 1

SPODDED: DATE 4/30/80

TIME 2:00 p.m.

How dry hole spudder

DRILLING WILL COMMENCE within 60 days

REPORTED BY Don Duncley

TELEPHONE #

DATE May 1, 1980

SIGNED

Original Signed By M. T. Minder

cc: USGS



May 8, 1980

Coseka Resources, Ltd.  
718 17th Street, Suite 630  
Denver, Colorado 80202

Re: Well No. Middle Canyon Unit #4-30-16-28  
Sec. 30, T. 16S, R. 24E.,  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 165-4 dated June 26, 1979. This well is designated as a standup 320 acre well.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30641.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Petroleum Engineer

/b:tm

cc: USGS



October 29, 1980

Coseka Resources, Ltd.  
718 17th St., Suite 630  
Denver, Colo. 80202

RE: SEE ATTACHED SHEET.

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the month (s) indicated above on the subject well(s).

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

*Debbie Beauregard*  
DEBBIE BEAUREGARD  
CLERK-TYPIST



SHEET ATTACHMENT:

- (1) Middle Canyon Unit # 4-30-16-24  
Sec. 30, T. 16S, R. 24E,  
~~Grand County, Utah~~  
May 1980 thru October 1980
- (2) Rat Hole Canyon #2  
Sec. 22, T. 14S, R. 25E,  
Uintah County, Utah  
April 1980 thru October 1980
- (3) Main Canyon Unit # 7-17-15-23  
Sec. 17, T. 5S, R. 23E,  
Uintah County, Utah  
July 1980 thru October 1980
- (4) Crooked Canyon Unit # 10-10-14-23  
Sec. 10, T. 14S, R. 23E,  
Uintah County, Utah  
June 1980 thru October 1980





**COSEKA RESOURCES (U.S.A.) LIMITED**

718 17th STREET, SUITE #630, DENVER, COLORADO 80202 (303) 573-6178

November 5, 1980

State of Utah  
Division of Oil, Gas, & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Attention: Debbie Beauregard

Re: 1) Middle Canyon #4-30-16-24  
2) Rat Hole Canyon #2  
3) Main Canyon #7-17-15-23  
4) Crooked Canyon #10-10-14-23

Dear Debbie:

As per your letter request dated October 29, 1980, please find enclosed Form OGC-1B, "Sundry Notices and Reports on Wells", for each of the above referenced wells. This Form is being used as a Monthly Drilling Report.

If you need any further information please let me know.

Very truly yours,

COSEKA RESOURCES (U.S.A.) LIMITED

*Brenda J. Groghan*

Brenda J. Groghan  
Production Secretary

/bg

Enclosures

**RECEIVED**

NOV 10 1980

DIVISION OF  
OIL, GAS & MINING



**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN TRIPLICATE\*  
 (Other instructions on  
 reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> _____ <b>2. NAME OF OPERATOR</b> Coseka Resources (U.S.A.) Limited <b>3. ADDRESS OF OPERATOR</b> 718 17th St. #630, Denver, CO 80202 <b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 617' FWL, 707' FSL, Sec. 30-T16S-R24E		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> U-15889 <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>  <b>7. UNIT AGREEMENT NAME</b> Middle Canyon <b>8. FARM OR LEASE NAME</b> Federal <b>9. WELL NO.</b> 4-30-16S-24 <b>10. FIELD AND POOL, OR WILDCAT</b> Wildcat <b>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA</b> SW SW Sec. 30-T16S-R24E <b>12. COUNTY OR PARISH</b> <b>13. STATE</b> Grand Utah
<b>14. PERMIT NO.</b> API #43-019-30641	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 6216' Gr	

16.

**Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

Report of Operations

☒

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF

☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- 5/80 - Spudded w/Benco Rathole rig 4/30/80. Ran 5 jts (206') 13 3/8" 48# H-40 ST&C Range 3 csg. Landed @ 203' GL. Cemented w/225 sxs Class "G". Wait on rotary tools.
- 6/80 - MIRU spudder. Ran 55 jts 8 5/8" 32# K-55 ST&C R-3 cond A csg. Depth on 6/30/80-4476'.
- 7/80 - RDMORT. RU completion unit. Perforated w/3 1/8" HSC Omega Jet. 1-.38" hole @ 5624', 21', 18', 15'. 10 mins 20 psi. Perfed @ 5505', 01'. 10 mins 150 psi. After 1 hr SI press 800 psi, 2 hrs 900 psi.
- 8/80 - Results of test: SITP 600 psi SICP 600 psi. Started test 7/31/80. Opened well on 20/40" choke. After 24 hrs, stabilized flow @ 146 MCFPD. TP 130 CP 280. No liquids produced. 3/4" orifice 3" meter run. Finalized test 8/1/80.
- 9/80 - Waiting on pipeline.
- 10/80 - Waiting on pipeline.

**18. I hereby certify that the foregoing is true and correct**

SIGNED

*Brenda Groghan*  
 Brenda Groghan

TITLE

Production Secretary

DATE

11/5/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:





SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

CHARLES R. HENDERSON  
*Chairman*

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
MAXILIAN A. FARBMAN  
EDWARD T. BECK  
E. STEELE MCINTYRE

CLEON B. FEIGHT  
*Director*

April 22, 1981

Coseka Resources  
718 17th Street  
Suite 630  
Denver, Colorado 80202

Re: SEE ATTACHED SHEET ON WELLS DUE

Gentlemen:

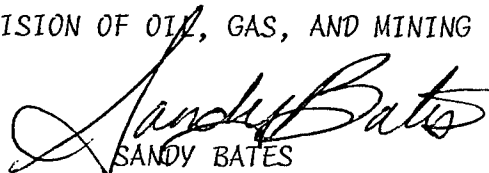
*This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells, is due and has not been filed with this office as required by our rules and regulations.*

*Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.*

*Thank you for your cooperation relative to the above.*

*Very truly yours,*

DIVISION OF OIL, GAS, AND MINING

  
SANDY BATES  
CLERK-TYPIST



1. Well No. Middle Canyon Unit  
#4-30-16-24  
Sec. 30, T. 16S. R. 24E.  
Grand County, Utah

2. Well NO. Sweetwater #2  
Sec. 12, T. 14S. R. 24E.  
Uintah County, Utah

3. Well No. Main Canyon Federal  
4-15-15-23  
Sec. 15, T. 15S. R. 23E.  
Uintah County, Utah

4. Well No. Rat Hole Canyon #2  
Sec. 22, T. 14S. R. 25E.  
Uintah County, Utah



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form approved.  
Budget Bureau No. 42-R3556.

13

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. CEEVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR Coseka Resources (U.S.A.) Limited						7. UNIT AGREEMENT NAME Middle Canyon	
3. ADDRESS OF OPERATOR 718 17th St., #630, Denver, CO 80202						8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 617' FWL, 707' FSL, Sec. 30-T16S-R24E At top prod. interval reported below Same At total depth Same						9. WELL NO. 4-30-16S-24	
14. PERMIT NO. 43-019-30641						DATE ISSUED 4/23/80	
15. DATE SPUDDED 4/30/80		16. DATE T.D. REACHED 7/6/80		17. DATE COMPL. (Ready to prod.) 7/30/80		18. ELEVATIONS (DF, REB, RT, GE, ETC.)* 6216 Gr.	
20. TOTAL DEPTH, MD & TVD 5750'		21. PLUG, BACK T.D., MD & TVD 5700'		22. IF MULTIPLE COMPL., HOW MANY* -		23. INTERVALS DRILLED BY → 0-5750	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dakota 5501-5624'						19. ELEV. CASINGHEAD 6217'	
26. TYPE ELECTRIC AND OTHER LOGS RUN FDC-CNL, OIL, GR-CBL						25. WAS DIRECTIONAL SURVEY MADE No	
						27. WAS WELL CORED No	

## CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	203'	17 1/2"	225 sacks	-
8 5/8"	32#	2257'	12 1/4"	500 sacks	-
7"	23#	3297'	7 7/8"	100 sacks	-
4 1/2"	11.6#	5740'	6 1/4"	125 sacks	-

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	5480	-

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5501, 03, 05'		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5615, 18, 21, 24'		5615-24	Acidized w/500 gals MS-1
7 - .38" holes			

33. PRODUCTION							
DATE FIRST PRODUCTION SI		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 7/31/80	HOURS TESTED 22	CHOKE SIZE 20	PROD'N. FOR TEST PERIOD →	OIL—BBL. -	GAS—MCF. 146	WATER—BBL. -	GAS-OIL RATIO -
FLOW. TUBING PRESS. 130	CASING PRESSURE 280	CALCULATED 24-HOUR RATE →	OIL—BBL. -	GAS—MCF. 160	WATER—BBL. -	OIL GRAVITY-API (CORR.) -	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

35. LIST OF ATTACHMENTS

Logs under separate cover

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED S. L. Wilkinson

TITLE Chief Engineer

DIVISION OF  
OIL, GAS & MINING 8/21/80

APR 30 1981

\*(See Instructions and Spaces for Additional Data on Reverse Side)



June 18, 1981

Coseka Resources (U. S. A.) Limited  
718 17th Street, Suite 630  
Denver, Colorado 80202

Re: Well No. Middle Canyon Unit #4-30-16-24  
Sec. 30, T. 16S, R. 24E  
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 8-21-80, from above referred to well indicates the following electric logs were run: FDC-CNL, DIL, GR-CBL. As of today's date this office has not received these logs: GR-CBL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Sandy Bates  
Clerk-Typist





UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)

DOG 56-62  
an equal opportunity emplo

Page 4 of 5

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• COSEKA RESOURCES USA LTD  
SUITE 300 1512 LARIMER ST  
DENVER CO 80202 1602  
ATTN: DAVID JOHNSON

Utah Account No. N0280

Report Period (Month/Year) 6 / 88

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
✓ TRAPP SPRINGS 16-25-14-23							
✓ 4304731041 08081 14S 23E 25			DKTA	✓			
✓ TRAPP SPRINGS 6-13-14-23							
✓ 4304731055 08081 14S 23E 13			MNCS	✓			
✓ MDLE CYN 4-30-16-24							
✓ 4301930641 08083 16S 24E 30			DKTA	X			
✓ FED 6-4-16-25							
✓ 4301930645 08084 16S 25E 4			DKTA	X			
✓ PINE SP 2X-16-14-22							
✓ 4304730621 08086 14S 22E 16			DKTA	✓			
✓ PINE SPRINGS ST 15-16-14-22							
✓ 4304730960 08086 14S 22E 16			DKTA	✓			
✓ PINE SPRINGS 7-21-14-22							
✓ 4304731042 08086 14S 22E 21			DKTA	✓			
✓ PINE SPRINGS 8-20-14-22							
✓ 4304731063 08086 14S 22E 20			DKTA	✓			
✓ MAIN CYN 6-3-15-23							
✓ 4304731072 08245 15S 23E 3			MNCSB	✓			
✓ MAIN CYN 3-16-15-23							
✓ 4304730571 09365 15S 23E 16			DKTA	✓			
✓ T-L-23							
✓ 4304730332 09560 14S 24E 23			MNCS	✓			
✓ RAT HOLE CANYON #1							
✓ 4304730325 09565 14S 25E 8			MNCS	✓			
✓ PINE SPRINGS #9-12-14-21							
✓ 4304731096 10772 14S 21E 12			WSTC	✓			
TOTAL							

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete.

Date \_\_\_\_\_

Authorized signature \_\_\_\_\_

Telephone \_\_\_\_\_

PLEASE COMPLETE FORMS IN BLACK INK





# **COSEKA RESOURCES (U.S.A.) LIMITED**

300 WRITER SQUARE, 1512 LARIMER STREET, DENVER, COLORADO 80202-1602 (303) 573-6178

**RECEIVED**  
JUL 1 1988

DIVISION OF  
OIL, GAS & MINING

June 27, 1988

On June 30, 1988, Coseka Resources (U.S.A.) Limited will be merged with and change its name to Arch Oil & Gas Company. The address for the organization will be unchanged at 300 Writer Square Building, 1512 Larimer, Suite 300, Denver, Colorado 80202-1602. The telephone number will also remain the same at (303) 573-6178.

While there should be no change in your communications with us, it is our hope that this change in name reflects the resolution of the past bankruptcy and the new and positive direction for the company. We look forward to working with you in the future as Arch Oil & Gas Company.

Thank you for your interest and if you have any questions, please contact us.

Sincerely,

Coseka Resources (U.S.A.) Limited



THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LOC	RUN	DAY	MO/YR	STARTING TIME
92153010	MIDDLE CANYON FED #4-30-16-24	06	03	15	10/85	1000
92264017	FEDERAL #6-4-16-25	06	12	—	11/85	T.D.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

9. Well Name and Number

10. API Well Number

11. Field and Pool, or Wildcat

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

Type of Well  
☐ Oil Well    ☐ Gas Well    ☐ Other (specify)

Name of Operator

Arch Oil &amp; Gas Company

Address of Operator

1512 Larimer St., Suite 300, Denver, CO 80202

4. Telephone Number

(303) 573-6179

Location of Well

Footage :

County :

QQ, Sec. T., R., M. :

State : UTAH

## CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment                     | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                   | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                 | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion             | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other <u>Change of Operator</u> |   |

Approximate Date Work Will Start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *           | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Arch Oil & Gas Company has sold all of its interests in the attached wells to Bonneville Fuels Corporation. Bonneville Fuels Corporation will assume operations at 7:00 A.M. August 31, 1991.

RECEIVED

SEP 13 1991

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name &amp; Signature

Lee McCollum



Title Vice President

Date 8/30/91

(State Use Only)



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		6. Lease Designation and Serial Number  7. Indian Allottee or Tribe Name
2. Name of Operator  <div style="text-align: center;">Bonneville Fuels Corporation</div>		8. Unit or Communitization Agreement  9. Well Name and Number
3. Address of Operator  1660 Lincoln Street, Ste 1800, Denver, CO 80264	4. Telephone Number  (303) 863-1555	10. API Well Number  11. Field and Pool, or Wildcat
5. Location of Well  <div style="display: flex; justify-content: space-between;"> <div>           Footage :            QQ, Sec, T., R., M. :         </div> <div>           County :            State : UTAH         </div> </div>		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
<p style="text-align: center;"><b>NOTICE OF INTENT</b> (Submit in Duplicate)</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Abandonment  <input type="checkbox"/> Casing Repair  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Conversion to Injection  <input type="checkbox"/> Fracture Treat  <input type="checkbox"/> Multiple Completion  <input type="checkbox"/> Other <u>Change of Operator</u> </div> <div style="width: 50%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Recompletion  <input type="checkbox"/> Shoot or Acidize  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off           </div> </div> <p>Approximate Date Work Will Start _____</p>	<p style="text-align: center;"><b>SUBSEQUENT REPORT</b> (Submit Original Form Only)</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Abandonment *  <input type="checkbox"/> Casing Repair  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Conversion to Injection  <input type="checkbox"/> Fracture Treat  <input type="checkbox"/> Other _____           </div> <div style="width: 50%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Shoot or Acidize  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off           </div> </div> <p>Date of Work Completion _____</p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Bonneville Fuels Corporation has acquired all of Arch Oil & Gas Company's interest in the wells on the attached list. Bonneville Fuels Corporation assumed operations of these wells August 31, 1991.

RECEIVED

SEP 13 1991

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Greg Twombly  Title President Date 9/11/91

(State Use Only)



# EXHIBIT "A"

Attached to and made a part of that certain Sundry Notice,  
executed August 30, 1991, Change of Operator.

<u>Well Name</u>	<u>Lease Number</u>
Dry Burn No. 1 (7-29-13-25)	U-10184 - Dry Burn Unit - Not approved as of 3-24-92
Federal 9-12-14-21	U-10272
Pine Springs Unit No. 1 (6-15-14-22)	U-27413 - Pine Springs Unit
Federal 12-18-14-22	U-27413
Federal 8-20-14-22	U-6841
Federal 7-21-14-22	U-10199
Federal 13-26-14-22	U-10199
Federal 13-17-14-23	U-27413
Federal 1-25-14-23	U-6613
Federal 4-25-14-23	U-38073
Federal 16-25-14-23	U-38073 - Trapp Springs Unit
Federal 3-26-14-23	U-38073
Federal 6-35-14-23	U-38071
State 8-36-14-23	U-32572
Federal 6-13-14-24	ML-18667 - Trapp Springs Unit
Sweetwater No. 1 (12-14-14-24)	U-10132
Federal 1-L-23 (10-23-14-24)	U-10133 - Sweetwater Cyn. Unit
Rat Hole No. 1 (7-8-14-25)	U-10133
Federal 3-11-15-21	U-3716A - Rat Hole Unit
Federal 5-13-15-21	U-6618
Federal 6-14-15-21	U-30112
Federal 7-15-15-21	U-10173
State 8-2-15-22	U-6618
State 11-2-15-22	ML-22320
Federal 2-18-15-22	ML-22320
Federal 6-3-15-23	U-30112
Federal 4-4-15-23	U-8361
Federal 16-4-15-23	U-8361
Federal 8-7-15-23	U-8361
Federal 2-8-15-23	U-9211
Federal 6-8-15-23	U-9211
Federal 15-8-15-23	U-9211
Federal 11-10-15-23	U-9211
Federal 7-17-15-23	U-8361
Federal 7-30-15-23	U-8359
Federal 12-8-15-24	U-8351
Federal 14-15-15-24	U-2836 - Black Horse Canyon Unit
Blackhorse No. 2 (1-29-15-24)	U-2837
Federal 4-30-16-24	U-2838 - Black Horse Canyon Unit
Federal 11-30-16-24	U-15889 - middle Canyon Unit
	U-30123



10405  
**ARCH OIL & GAS COMPANY**

P.O. BOX 2499  
MIDLAND, TEXAS 79702

January 14, 1992

**RECEIVED**  
**STATE TAX COMMISSION**

**JAN 23 1992**

Oil and Gas Tax Returns  
Utah State Tax Commission  
160 E. 300 S  
Salt Lake City, Utah 84134-0550

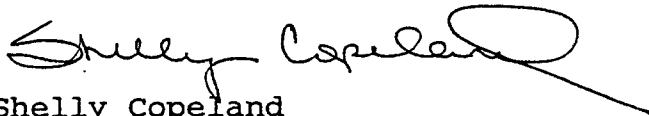
**RECEIVED BY**  
**Auditing Division**

Dear Sirs:

Please be advised that effective with September 91, sales Arch Oil no longer owns or operators any Utah wells. We sold our interest to Bonneville Fuels Corporation, 1660 Broadway Suite 1110, Denver Co 80202.

NS685  
If you have any further questions concerning this matter, please let me know.

Sincerely,



Shelly Copeland  
Revenue Department  
(915) 686-6467



UTAH  
NATURAL RESOURCE  
Oil, Gas & Mining355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)Page 3 of 4

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ATTN SUSAN SEYEDAN  
ARCH OIL & GAS COMPANY  
PO BOX 2499  
MIDLAND TX 79702

MAR 12 1992

DIVISION OF  
OIL GAS & MININGUtah Account No. N0405Report Period (Month/Year) 2 / 92Amended Report ☐

Well Name			Producing	Days	Production Volume		
API Number	Entity	Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
✓ TRAPP SPRINGS 3-26-14-23							
4304731003	08081	14S 23E 26	DKTA				
✓ TRAPP SPRINGS 16-25-14-23							
4304731041	08081	14S 23E 25	DKTA				
✓ MDLE CYN 4-30-16-24					middle Canyon Unit - Approved 10-30-91.		
4301930641	08083	16S 24E 30	DKTA				
✓ PINE SPRINGS 7-21-14-22							
4304731042	08086	14S 22E 21	DKTA				
✓ PINE SPRINGS 8-20-14-22							
4304731063	08086	14S 22E 20	DKTA				
✓ MAIN CYN 6-3-15-23							
4304731072	08245	15S 23E 3	MNCSB				
✓ T-L-23							
4304730332	09560	14S 24E 23	MNCS				
✓ RAT HOLE CANYON #1							
4304730325	09565	14S 25E 8	MNCS				
✓ PINE SPRINGS #9-12-14-21							
4304731096	10772	14S 21E 12	WSTC				
✓ FEDERAL #12-18-14-22							
4304731348	10772	14S 22E 18	WSTC				
✓ PINE SPRINGS #13-26-14-22							
4304731074	10773	14S 22E 26	MNCS				
✓ TRAPP SP 4-25-14-23							
4304730582	10894	14S 23E 25	DKTA				
✓ TRAPP SPRINGS 8-36-14-23							
4304730944	10895	14S 23E 36	MNCS				
TOTAL							

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date \_\_\_\_\_

Authorized signature \_\_\_\_\_

Telephone \_\_\_\_\_

PLEASE COMPLETE FORMS IN BLACK INK



# ROUTING AND TRANSMITTAL SLIP

Date

TO: (Name, office symbol, room number, building, Agency/Post)

Initials

Date

1. Lisha Romero

2.

3.

4.

5.

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

REMARKS

MAR 20 1982  
DIVISION OF  
CAL GAS ANALYSIS

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)

Room No.—Bldg.

Sally Vernal BLM

Phone No.  
789-1362

5041-102

GPO : 1987 0 - 196-409

OPTIONAL FORM 41 (Rev. 7-76)  
Prescribed by GSA  
FPMR (41 CFR) 101-11.206



<u>Lease Number</u>	<u>Well Name</u>	<u>API #</u>	<u>Location</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>
U-10184 <i>Denied</i>	Dry Burn No. 1	43047 30331	NW/SE	29	13S	25E
U-10272 <i>Accepted</i>	Federal 9-12-14-21	43047 31096	SE/NE	12	14S	21E
U-27413 <i>Accepted</i>	Pine Springs Unit No. 1	43047 30284	SE/SW	15	14S	22E
U-6841 <i>Accepted</i>	Federal 12-18-14-22	43047 31348	SW/NW	18	14S	22E
U-10199 <i>Accepted</i>	Federal 8-20-14-22	43047 31063	NE/SE	20	14S	22E
U-10199 <i>Accepted</i>	Federal 7-21-14-22	43047 31042	NW/SE	21	14S	22E
U-27413 <i>Accepted</i>	Federal 13-26-14-22	43047 31074	NW/NW	26	14S	22E
U-6613 <i>Approved</i>	Federal 13-17-14-23	43047 30619	NW/NW	17	14S	23E
U-38073 <i>Approved</i>	Federal 1-25-14-23	43047 30975	SE/SE	25	14S	23E
U-38073 <i>Accepted</i>	Federal 4-25-14-23	43047 30582	SW/SW	25	14S	23E
U-38073 <i>Approved</i>	Federal 16-25-14-23	43047 31041	NE/NE	25	14S	23E
U-38071 <i>Approved</i>	Federal 3-26-14-23	43047 31003	SE/SW	26	14S	23E
U-32572 <i>Approved</i>	Federal 6-35-14-23	43047 30791	NE/SW	35	14S	23E
ML-18667 <i>Accepted</i>	State 8-36-14-23	43047 30944	NE/SE	36	14S	23E
U-10132 <i>Accepted</i>	Federal 6-13-14-24	43047 31040	NE/SW	13	14S	24E
U-10133 <i>Accepted</i>	Sweetwater No. 1	43047 30460	SW/NW	14	14S	24E
U-10133 <i>Accepted</i>	Federal 1-L-23	43047 30332	NW/NE	23	14S	24E
U-3716A <i>Accepted</i>	Rat Hole No. 1	43047 30325	NW/SE	8	14S	25E
U-6618 <i>Approved</i>	Federal 3-11-15-21	43047 30622	SE/SW	11	15S	21E
U-30112 <i>Approved</i>	Federal 5-13-15-21	43047 31137	NW/SW	13	15S	21E
U-10173 <i>Approved</i>	Federal 6-14-15-21	43047 31027	NE/SW	14	15S	21E
U-6618 <i>Approved</i>	Federal 7-15-15-21	43047 31071	NW/SE	15	15S	21E
ML-22320 <i>Noted</i>	State 8-2-15-22	43047 31135	NE/SE	2	15S	22E
ML-22320 <i>Noted</i>	State 11-2-15-22	43047 30746	SE/NW	2	15S	22E
U-30112 <i>Approved</i>	Federal 2-18-15-22	43047 31091	SW/SE	18	15S	22E
U-8361 <i>Approved</i>	Federal 6-3-15-23	43047 31072	NE/SW	3	15S	23E
U-8361 <i>Approved</i>	Federal 4-4-15-23	43047 31043	SW/SW	4	15S	23E
U-8361 <i>Approved</i>	Federal 16-4-15-23	43047 31111	NE/NE	4	15S	23E
U-9211 <i>Approved</i>	Federal 8-7-15-23	43047 30977	NE/SE	7	15S	23E
U-9211 <i>Approved</i>	Federal 2-8-15-23	43047 30735	SW/SE	8	15S	23E
U-9211 <i>Approved</i>	Federal 6-8-15-23	43047 31073	NE/SW	8	15S	23E
U-9211 <i>Approved</i>	Federal 15-8-15-23	43047 30674	NW/NE	8	15S	23E
U-8361 <i>Approved</i>	Federal 11-10-15-23	43047 30639	SE/NW	10	15S	23E
U-8359 <i>Approved</i>	Federal 7-17-15-23	43047 30736	NW/SE	17	15S	23E
U-8351 <i>Denied</i>	Federal 7-30-15-23	43047 31247	NW/SE	30	15S	23E
U-2836 <i>Accepted</i>	Federal 12-8-15-24	43047 31104	SW/NW	8	15S	24E
U-2837 <i>Approved</i>	Federal 14-15-15-24	43047 31045	NE/NW	15	15S	24E
U-2838 <i>Accepted</i>	Blackhorse No. 2	43047 30248	SE/SE	29	15S	24E
Approved - U-15889 <i>Denied</i>	Federal 4-30-116-24	019 < 43047 30641	SW/SW	30	16S	24E
U-30123 <i>Denied</i>	Federal 11-30-16-24	43047 30925	NE/NW	30	16S	24E



## Conditions of Approval

Vernal District Petroleum Engineers have reviewed the Sundry Notice and concur with the request providing the following stipulations are included as a part of the approval.

1. The change in operator request for the following wells are not included in this approval:

A. Dry Burn No. 1, located in the NWSE, Section 29, T13S, R25E, on lease U-10184 is in a Federal unit. Therefore, the operator must be changed by filing a successor operator for the unit with the BLM State Office in Salt Lake City, Utah.

B. Federal Well No. 7-30-15-23, located in the NWSE, Section 30, T15S, R23E, on lease U-8351 is in a Federal Communitization Agreement (C.A.). Therefore, the operator must be changed by filing successor operator for the C.A. with the BLM State Office in Salt Lake City, Utah.

C. Federal Well No. 4-30-16-24, located in the SWSW, Section 30, T16S, R24E, on lease U-15889 is in Grand County and does not fall under the Vernal District's jurisdiction. Therefore, the operator must be changed by filing a self-certification statement for the change in operator with the Moab District Office in Moab, Utah. (Bfm-S.L. Approved 10-30-91 "middle Canyon Unit") *ff*

D. Federal Well No. 11-30-16-24, located in the NENW, Section 30, T16S, R24E, on lease U-30123 is in Grand County and does not fall under the Vernal District's jurisdiction. Therefore, the operator must be changed by filing a self-certification statement for the change in operator with the Moab District Office in Moab, Utah.



Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

Routing:

1- UCR 7-LCH
2- DTS 7/3
3- VLC ✓
4- RJE ✓
5- RWM ✓
6- ADH ✓

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

Change of Operator (well sold)  
Designation of Operator

☐ Designation of Agent  
☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-31-91)

TO (new operator)	<u>BONNEVILLE FUELS CORPORATION</u>	FROM (former operator)	<u>ARCH OIL &amp; GAS COMPANY</u>
(address)	<u>1660 LINCOLN ST., STE 1800</u>	(address)	<u>1512 LARIMER ST., STE 300</u>
	<u>DENVER, CO 80264</u>		<u>DENVER, CO 80202</u>
	<u>GREG TWOMBLY, PRES.</u>		<u>LEE MCCOLLUM, V.P.</u>
	<u>phone (303) 863-1555</u>		<u>phone (303) 573-6179</u>
	<u>account no. N5685</u>		<u>account no. N0405</u>

Well(s) (attach additional page if needed):

Name: <u>*SEE ATTACHED*</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 9-13-91)
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 9-13-91)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- 1 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 1 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-24-92)
- 1 6. Cardex file has been updated for each well listed above. (3-24-92)
- 1 7. Well file labels have been updated for each well listed above. (3-24-92)
- 1 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-24-92)
- 1 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



## ITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## D VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 5/19/92 1992. If yes, division response was made by letter dated 5/19/92 1992.

## SE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 5/19/92 1992, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases. *memo sent 5/19/92*

## MING

1. All attachments to this form have been microfilmed. Date: May 26 1992.

## ING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

## MENTS

\* 3 wells - Still Arch Oil & Gas - will be handled on separate change.

- 910918 Btm / Vernal "No doc. as of yet." 920320 Btm Approved non unit wells on 3-16-92.
- 911024 Btm / Vernal - "Not approved as of yet."
- 911101 Btm / S.L. Unit operator from Arch Oil & Gas to Bonneville Fuels eff. 10-30-91. Involves middle Canyon Unit, Trapp Springs Unit, Rat Hole Unit, and Black Horse Canyon Unit.
- 11125 Btm / S.L. (Pine Springs Unit, Dry Burn Unit, and Sweetwater Canyon Unit - Not approved)
- 134-35 Btm / Vernal - Wells not in units - not approved as of yet.
- 1203 Btm / S.L. Unit operator from Arch Oil & Gas to Bonneville Fuels "Pine Springs Unit & Sweetwater Canyon Unit"



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator: Bonneville Fuels Corporation

3. Address and Telephone Number:  
1660 Lincoln St. Ste 1800, Denver, CO 80264 (303)863-1555

4. Location of Well  
Footages: 617' FWL, 707' FSL  
OO, Sec., T., R., M.: SW/SW Sec 30 T16S R24E

5. Lease Designation and Serial Number:  
U-15889

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:  
Middle Cyn 4-30-16-24

9. API Well Number:  
4301930641

10. Field and Pool, or Wildcat:  
Middle Canyon

County: Grand

State: Utah

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit In Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *                           | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                 | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat                          | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____ Sale of Property |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

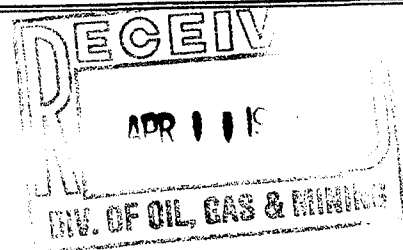
Bonneville Fuels sold its interest in the above referenced well to National Fuels Resources effective 10/1/93. National Fuels Resources became the operator effective the same date.

13.

Name & Signature: Doris Maly *Doris Maly* Title: Engineering Tech. Date: 4/07/94

(This space for State use only)

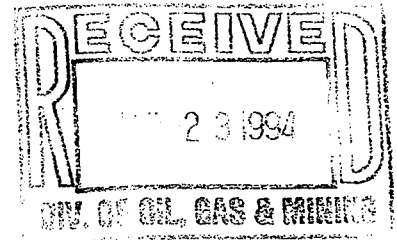
(See Instructions on Reverse Side)





**COPY**

Bureau of Land Management  
Branch of Fluid Minerals  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155



May 20, 1994

J. C. Thompson  
5000 South Quebec, Suite 640  
Denver, Colorado 80237

Re: Middle Canyon Unit  
Uintah County, Utah

Gentlemen:

On May 16, 1994, we received an indenture dated April 20, 1994, whereby Bonneville Fuels Corporation resigned as Unit Operator and J. C. Thompson was designated as Successor Unit Operator for the Middle Canyon Unit, Grand County, Utah. The instrument is hereby accepted effective May 20, 1994.

In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Middle Canyon Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0068 will be used to cover all operations within the Middle Canyon Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)  
~~Division of Oil, Gas & Mining~~  
Division of Lands and Mineral Operations U-942  
File - Middle Canyon Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-922:TAThompson:tt:05-20-94



Page No. 1  
03/23/94

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 8910181450 8910181450	430193064100S1	MIDDLE CANYON DK A	4-30-16-24	SWSW	30	16S	24E PGW	UTU15889	BONNEVILLE FUELS CORPORAT



## BONNEVILLE FUELS CORPORATION

FACSIMILE TRANSMITTAL SHEETDATE 6/1 TIME 11:25TO: NAME LISA CORDOVACOMPANY UT O & G Comm.

PHONE \_\_\_\_\_

FROM: DORIS MARYNumber of pages being transmitted 5 (including cover page)Document Description SUCCESSOR of operatorRemarks: Middle CANYON Unit\*940201 National Fuel Corp. not bonded, approved under  
J.C. Thompson (President of National Fuel Corp.)This message is transmitted from (303) 863-1558. Please call  
Doris at (303) 863-1555 if the message you receive is incomplete  
or illegible.

THANK YOU



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: U-15889
2. Name of Operator: J.C. THOMPSON	6. If Indian, Alutian or Tribe Name:
3. Address and Telephone Number: 5000 S. Quebec; #640; Denver, CO 80237; (303) 220-7772	7. Unit Agreement Name: Middle Canyon
4. Location of Well: Footages: 707' FSL, 617' FWL OO, Sec., T., R., M.: SWSW Sec. 30 - T16S - R24E	8. Well Name and Number: Federal #4-30-16-24
	9. API Well Number: 4301930641
	10. Field and Pool, or Wildcat: Middle Canyon
	County: Grand State: Utah

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG forms.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CHANGE OF OPERATOR

Effective October 1, 1993 National Fuel Corporation purchased Bonneville Fuels Corporation's interest in the captioned well.

Simultaneously, J.C. Thompson was elected the new operator of the Unit.

13.  
Name & Signature: Brenda K. Mayland Title: Office Manager Date: 6/1/94  
Brenda K. Mayland

(This space for State use only)



AREA CODE 303  
PHONE 320-7773

FAX  
320-7773

## *National Fuel Corporation*

5000 SOUTH QUEBEC, SUITE 640  
DENVER, COLORADO 80237



March 15, 1994

Bureau of Land Management  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

Re: Middle Canyon Unit Area  
Grand County, Utah

Gentlemen:

Enclosed for your consideration and approval, are four (4) copies of Resignation of Unit Operator and Designation of Successor Unit Operator for the Middle Canyon Unit Area.

National Fuel Corporation, as the designated successor operator under the Middle Canyon Unit Agreement, hereby certifies that the requisite approvals of the current working interest owners in the agreement have been obtained to satisfy the requirements for selection of a successor operator as set forth under the terms and provisions of the agreement. All operations within the Middle Canyon Unit Agreement will be covered by statewide bond no. 862E9818.

Please return one approved designation to the letterhead address for our files.

Sincerely,  
NATIONAL FUEL CORPORATION

*Brenda K Mayland*

Brenda K. Mayland

Enclosures



## RESIGNATION OF UNIT OPERATOR

MIDDLE CANYON UNIT AREA  
COUNTY OF GRAND  
STATE OF UTAH  
NO. 14-08-0001-18145

Under and pursuant to the provisions of Section 5 of the Unit Agreement for the Development and Operation of the Middle Canyon Unit Area, Grand County, Utah, Bonneville Fuels Corporation, the designated Unit Operator under said Unit Agreement, does hereby resign as Unit Operator, effective upon the selection and approval of a successor Unit Operator.

EXECUTED with effect as aforesaid this 30th day of September 1993.

BONNEVILLE FUELS CORPORATION

By: Steven H. Stepanek  
Steven H. Stepanek  
General Manager

DESIGNATION OF  
SUCCESSOR UNIT OPERATOR

MIDDLE CANYON UNIT AREA  
COUNTY OF GRAND  
STATE OF UTAH  
NO. 14-08-0001-18145

THIS INDENTURE, dated as of the 1st day of October, 1993, by and between National Fuel Corporation, hereinafter designated as "First Party", and the owners of unitized working interests, hereinafter designated as "Second Parties".

W I T N E S S E T H :

WHEREAS, under the provisions of the Act of February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. Secs. 181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, on the 25th day of April, 1980, approved a Unit Agreement for the Middle Canyon Unit Area, wherein Bonneville Fuels Corporation was designated as Unit Operator, and

WHEREAS, said Bonneville Fuels Corporation has resigned as such Unit Operator and the designation of a successor Unit Operator is now required pursuant to the terms thereof; and



IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

FIRST PARTY:

NATIONAL FUEL CORPORATION

BY: *J. A. Thompson*

Title: President

Execution Date: 10-13-93

**SECOND PARTIES**

~~NATIONAL GAS REFORMATION OF CALIFORNIA~~  
O/G & GAS RESOURCES COMPANY

By: [Signature]

**Title:** Onshore Land Manager

Execution Date: October 6, 1993

**MARVIN A. KELLER**

By: \_\_\_\_\_

Execution Date: \_\_\_\_\_

National Fuel Corp. purchased  
Mr. Keller's interest eff. 10/1/93



CHARLES A. SHEAR

By: \_\_\_\_\_

Execution Date: \_\_\_\_\_

R. LEE TUCKER

By: \_\_\_\_\_

Execution Date: \_\_\_\_\_

National Fuel Corp purchased  
Mr. Shear's and Mr. Tucker's  
interests eff. 10-1-93

COMPANY ACKNOWLEDGEMENT

STATE OF Utah )

COUNTY OF Salt Lake )

ss.

The foregoing instrument was acknowledged before me this 30th  
day of September, 1993, by Steven J. Stanek, as  
General Manager, of Bonneville Fuels Corporation,  
a Colorado Corporation, on behalf of said  
Corporation.

WITNESS my hand and official seal.

My Commission Expires:

4/25/95



Loresa A. Abington  
Notary Public  
Resides at: Salt Lake City, UT

INDIVIDUAL ACKNOWLEDGEMENT

STATE OF Colorado )

COUNTY OF Denver )

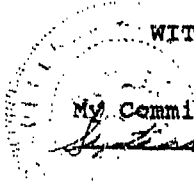
ss.

The foregoing instrument was acknowledged before me this 13th  
day of October, 1993, by F.C. Thomas.

WITNESS my hand and official seal.

My Commission Expires:

September 29, 1996



Deborah C. Jones  
Notary Public  
Resides at: 2441 1/2 St. NW  
Broomfield CO 80020



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1-LEC	7-PI
2-LWP	8-SJ
3-BT	9-FILE
4-VLC	
5-RJF	
6-LWP	

☒ Change of Operator (well sold)  
☐ Designation of Operator

☐ Designation of Agent  
☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-93)

TO (new operator) THOMPSON, J.C.  
 (address) 5000 S QUEBEC #640  
DENVER CO 80237  
BRENDA MAYLAND  
 phone ( 303 ) 220-7772  
 account no. N 1240

FROM (former operator) BONNEVILLE FUELS CORP.  
 (address) 1660 LINCOLN STE 1800  
DENVER CO 80264  
DORIS MALY  
 phone ( 303 ) 863-1555  
 account no. N 5685

Well(s) (attach additional page if needed):

**\*MIDDLE CANYON UNIT**

Name: <u>MDLE CYN 4-30-16-24/DK</u>	API: <u>43-019-30641</u>	Entity: <u>8083</u>	Sec <u>30</u> Twp <u>16S</u> Rng <u>24E</u>	Lease Type: <u>U15889</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-11-94) (Rec'd 6-1-94)*
- lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 6-1-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-31-94)*
- LWP 6. Cardex file has been updated for each well listed above. *6-2-94*
- LWP 7. Well file labels have been updated for each well listed above. *6-2-94*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(5-31-94)*
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



### ENTITY REVIEW

- Lee 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- Lee 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)    . Today's date                      19   . If yes, division response was made by letter dated                      19   .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19   , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DL5  
6/3/94
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

### FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: June 7 1994.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

940601 Btm/S.Y. Appv. eff. 5-20-94.



J. C. THOMPSON  
INDEPENDENT OIL OPERATOR  
8000 SOUTH QUEBEC, SUITE 640  
DENVER, COLORADO 80237

## FACSIMILE TRANSMITTAL SHEET

DATE: 4/12/01

TO: Carol Daniels  
UTAH Division of Oil, Gas, & Mining

FAX NO.: 801-359-3940

FROM: Jim Brothers, Sr. Geologist at  
J. C. Thompson  
5000 South Quebec St., Suite. 640  
Denver, CO 80237

FAX NO.: (303) 220-7773  
VOICE: (303) 220-7772

SUBJECT: Sundry Notice for intent to  
work over an existing gas well.

NO. OF PAGES, INCLUDING THIS PAGE: 2

COMMENTS: Carol,

Thanks for your help on the phone this morning. Here is the Sundry Notice (Fm9) on our intent to frac existing perms. (and possibly re-acidize) in our Middle Canyon #4-30-16-24 well in Grand Co. Please fax me an approved copy when available.

Thanks,

Jim Brothers



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

<b>1. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Federal U-15889
<b>2. NAME OF OPERATOR:</b> J. C. Thompson (JCT)		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 5000 S. Quebec, # 640 <small>CITY</small> Denver <small>STATE</small> CO 80237		<b>7. UNIT or CA AGREEMENT NAME:</b> Middle Canyon
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: 707' FSL and 617' FWL QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 30 16S 24E 6		<b>8. WELL NAME and NUMBER:</b> #4-30-16-24
<b>PHONE NUMBER:</b> (303) 220-7772		<b>9. API NUMBER:</b> 43-019-3064/
<b>COUNTY:</b> Grand		<b>10. FIELD AND POOL OR WILDCAT:</b> Middle Canyon Field
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: <u>4/23/2001</u>	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

JCT plans to frac existing Cedar Mountain Fm. perms (5615'-5624') using approx. 19,500 gal. gelled water, and 26,000# 20/40 mesh sand per Halliburton frac plan. This zone was re-perf'd with 4 spf in 1999.

JCT may re-acidize Dakota Fm. perms (5419'-5481', gross interval), depending on results of a pressure buildup survey to be taken on the Dakota in an offset well to the #4-30-16-24 - the Middle Canyon #11-30-16-24. The Dakota in the #4-30-16-23 was perf'd and acidized in 1999, but due to mechanical problems, the acid breakdown probably did not work as planned.

NAME (PLEASE PRINT) <u>J. C. Brothers</u>	TITLE <u>Senior Geologist</u>
SIGNATURE <u>J. C. Brothers</u>	DATE <u>4/11/2001</u>

(This space for State use only)

(5/2000) **Federal Approval of this Action is Necessary**

04-13-01  
CHD  
(See Instructions on Reverse Side)

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 28 1999

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

J.C. Thompson

3. Address and Telephone No.

5000 S. Quebec Street; #640; Denver, CO 80237; (303) 220-7772

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

707' FSL, 617' FWL (SWSW Sec. 30-T16S-R24E)

5. Lease Designation and Serial No.

U-15889

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Middle Canyon

8. Well Name and No.

#4-30-16-24

9. API Well No.

43-019-30841

10. Field and Pool, or Exploratory Area

Middle Canyon

11. County or Parish, State

Grand, Utah

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form).

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work). \*

Pursuant to the conditions of approval attached to sundry notice dated 3/8/99 (approved 3/31/99) regarding perforating, attached is the recompletion report for your files. During the first 24 hours the well was back on line, it averaged 50 MMBtu per day. Tubing pressure was 120#, Casing pressure was 150#. For the 2nd day, the well averaged 70 MMBtu per day. The pressures were the same.

14. I hereby certify that the foregoing is true and correct.

Signed

Brenda K. Mayland

Title

Office Manager

Date

6-16-99

(This space for Federal or State office use)

ACCEPTED

Division of Resources  
Moab Field Office

JUN 21 1999

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* See Instructions on Reverse Side

WTC  
2-29-00  
RSH



Middle Canyon # 4-30  
Workover - Recompletion

Well Info: PBTD 5700', KB 14'

Csg. 4 1/2" N-80, 11.6 #

Tbg. 2 3/8" J-55, 4.7 #

Perfs. @ 5615-24, 5500-05

Tbg. Landed @ 5480'

5/3/99, 8:00 am - Attempted to MIR. Rainstorms hit and rig slid into ditch. Was able move BOP, flat tank, pump & 100 bbl of 2% kcl water to loc. Will move in rig when weather permits.

5/5/99, 8:00 am - Csg. 220#, tbg. 180#. MIRU Monument Well Service rig #6. Blew down well, ND wellhead, NU BOP, PU & RIH with 7jts to 5680'. 56' of rat hole. POOH with tbg. Threads on SN warn from tripping pipe. RIH with bit, scraper, & 181 jts to 5680'. POOH with 90 jts & SIF

5/6/99, 7:30 am - POOH with rest of tbg, scraper, & bit. 8:00 am - Jack Johnson with Utah BLM on loc for rig insp. 9:00 am - RU Schlumberger wireline truck. Pumped in 20 bbl 2% kcl water for logging. RIH with logging equip. POOH with logging equip. Pumped 20 bbl 2% kcl water to balance hole for perforating. BHP when drilled 1300#. RIH with first gun to reperf 5615-24 & 5500-05. FL @ 2980'. POOH with 1<sup>st</sup> gun. RIH with 2<sup>nd</sup> gun to perf 5476-81, 5430-32 & 5419-26. All guns 4spf. FL after perforating 2980'. POOH with 2<sup>nd</sup> gun. RD wireline truck. Csg 0 tbg 0. RIH with packer, new SN & 172 jts 23/8 to 5400' & set packer. Approx. 24 bbl btw csg & tbg above packer. RU swab. 1<sup>st</sup> run - rec 7 bbl. 2<sup>nd</sup> run - rec 2 bbl. \*\*\*Dropped 2 soap sticks. 3<sup>rd</sup> run - rec no fluid. Left tbg open overnight. Csg 0, Tbg 0. \*\*\* Probably packed against standing valve and wouldn't allow fluid entry.

5/7/99, 7:30 am - Made 1 swab run, rec no fluid. RD swab. RU Haliburton for acid job. Pumped 2000 gal of 71/2% HCl with 125 ball sealers. Flush to mid perf with 22 bbl 2% kcl water. RD acid trucks, RU swab. Swabbed back 20-bbl. RD swab. Released packer, RIH with 4 stands. RU swab. Couldn't get past 3000'. Made 3 runs from 3000' & rec 8 bbl along with frac ball skins. POOH with tbg & packer. Found standing valve in SN with perf balls on top. It must have been dropped in and never made it to bottom. No record of it on file. Suspect perfs at 5615-24' & 5500-05' received majority of acid. RIH with SN & 177 jts to 5543'. RU swab, rec 40 bbl. Left tbg open overnight. Csg 0, tbg 0.

SAT, 5/8/99, 8:00 am - Csg 10 #. Made 2 runs, rec 2 bbl. PU & RIH with 2jts & landed @ 5618. Made 8 runs, rec 8 bbl. Not getting much entry. Left tbg open.

SUN, 5/9/99, 4:30 pm - Csg 32#, Tbg open - no flow

5/10/99, 8:00 am - Csg 55#, Tbg open - no flow. Made 3 swab runs, rec 3 bbl, light blow through tbg. POOH with tbg. 1:00 pm to 3:30 pm - waiting on straddle packer. RIH with SN and standing valve, packer, shut off valve, 1jt 23/8 tbg, top packer & 174 jts. Set straddle packer to acidize 5576-81'. Acid trucks on loc at 5:10 pm. Will acidize new perfs at 5476-18', 5430-32', 5419-26' tomorrow at 8:00 am. SIFN.



5/11/99, 8:00am - Csg 25# Tbg 7#. RU acid trucks. Pumped 500 gal 71/2% HCl to perfs at 5476-81'. Started at 3 bpm & finished at 4.5 bpm. Formation broke at 4200#. Released packer. Laid down 1jt. Set packer to acidize perfs at 5430-32 & 5419-26. Pumped 750 gal 71/2% HCl. Formation broke at 3500#. Flushed with 21 bbl 2% kcl water. RD acid trucks, RU swab. After 10 runs rec 38bbl, csg 10#, after 15 runs rec 48 bbl. PU RIH with 4 jts. After 19 runs rec 52 bbl not getting much entry. Let well sit 30 min, made swab run, FL @ 50'. Checked swab cups, cup holder not on swab. POOH with tbg, straddle packer, cups & holder. RIH with SN, 179 jts and landed at 5617' KB. 6:00 pm SIFN Csg-5# Tbg-3#

5/12/99, 8:00 am - Csg 378#, Tbg 378#. Opened tbg to flat tank. After 30 min csg 190#, After 60 min csg 30 #, steady dry blow. Shut in, ND BOP, NU wellhead. RD and moved to #11-30, #4-30 After 1 hr shut in csg 73#, tbg 73 #, 3 hr csg 210#, tbg 205#. Will leave shut in for 24-hr build up. Run flow test tomorrow.



To file

Middle Canyon #4-30  
Workover - Tubing Test

Well Info: PBTD 5700', KB 14'

Csg. 4 1/2" N-80, 11.6 #

Tbg. 2 3/8" J-55, 4.7 #

Perfs. @ 5419-26', 5430-32', 5476-81', 5500-05', 5615-24'

Tbg. Landed @ 5617'

7/5/99, 1:30 PM. Csg-145#, Tbg-140#. MIRU Monument Well Service rig #6. RU swab. Made 1 swab run to check fluid level. Fluid level at 800'. RD swab. Dropped in standing valve. Hooked up pump & pumped 21 bbl 2% KCl water down tbg. Pressured up to 1000# & shut in. Press did not hold. RD pump. ND wellhead. POOH with 40 jts. Found hole 1/4" in tbg at jt # 39. Laid down bad jt. RU pump & tested remaining tbg. Pressured up to 1100# & shut in for 10 min. Pressure held. RD pump. RIH with 2 stands & found 1/8" hole in jt # 36. Laid down bad jt. RIH with 10 stands. RU pump. Pressured up to 1100#. Pressure held. RD pump. RIH with rest of tbg + PU 2 good jts to replace bad. RU pump. Pressured up to 1200# & shut in for 10 min. Pressure held. RD pump. Landed tbg at 5616'. NU wellhead. RU swab. Made 2 runs & recovered 12 bbl. SIFN 8:30 pm.

7/6/99, 7:00 am. Csg-10#, Tbg-0#. RIH with retrieving tool & retrieved standing valve. RU swab. Made 7 runs & recovered 15 bbl. Well kicked off. RD swab. Moved rig to #C-9-10.

Bob —

This is FYI.

No Sundry Notice  
filed.

Brenda



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
APR 05 1999  
BY:

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993  
5. Lease Designation and Serial No.  
U - 15889

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
J.C. Thompson

3. Address and Telephone No.  
5000 S. Quebec #640 Denver, CO 80237 (303) 220-7772

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
707' FSL, 617' FWL  
SWSW Sec. 30 - T16S - R24E

7. If Unit or CA. Agreement Designation  
Middle Canyon

8. Well Name and No.  
#4-30 - 16-24

9. API Well No.  
43-019-30641

10. Field and Pool, or Exploratory Area  
Middle Canyon

11. County or Parish, State  
Grand, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other - <u>Re-perforate</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

1. Propose to re-perforate Cedar Mountain formation. 5615'-24' with 4 SPF
  2. Propose to reperforate Dakota formation. 5500' - .05' with 4 SPF
  3. Propose to perforate new Dakota zones. 5476' - 81' w/4 SPF  
5430' - 32' w/4 SPF  
5419' - 26' w/4 SPF
- Plan to start April 1, 1999.

RECEIVED  
MOAB FIELD OFFICE  
1999 MAR 15 P 1:47  
DEPT OF THE INTERIOR  
BUREAU OF LAND MGMT

14. I hereby certify that the foregoing is true and correct

Signed Brenda K Maynard Title Office Manager Date 3-8-99  
(This space for Federal or State office use)  
Approved by William H. Jones Title Assistant Field Manager,  
Conditions of approval, if any: Division of Resources Date 3/31/99

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side



Recompletion  
J.C. Thompson  
Well No. 4-30-16-24  
Sec. 30, T. 16 S., R. 24 E.  
Lease UTU15889  
Middle Canyon Unit  
Grand County, Utah

CONDITIONS OF APPROVAL

1. Notify Jack Johnson of this office (435-259-2129) at least 24 hours prior to re-working the well.
2. Within 30 days of completing the work, submit to this office a sundry notice that describes in detail the work that was completed. This should include the perforation record and any pressure or flow-rate data.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

see attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

see attached list

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

2. NAME OF OPERATOR:

J.C. THOMPSON OPERATOR, LLC

3. ADDRESS OF OPERATOR:

7979 E Tufts Ave Pkwy #815 CITY Denver

STATE CO

ZIP 80237

PHONE NUMBER:

(303) 220-7772

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION



NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:



SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:



ACIDIZE



ALTER CASING



CASING REPAIR



CHANGE TO PREVIOUS PLANS



CHANGE TUBING



CHANGE WELL NAME



CHANGE WELL STATUS



COMMINGLE PRODUCING FORMATIONS



CONVERT WELL TYPE



DEEPEN



FRACTURE TREAT



NEW CONSTRUCTION



OPERATOR CHANGE



PLUG AND ABANDON



PLUG BACK



PRODUCTION (START/RESUME)



RECLAMATION OF WELL SITE



RECOMPLETE - DIFFERENT FORMATION



REPERFORATE CURRENT FORMATION



SIDETRACK TO REPAIR WELL



TEMPORARILY ABANDON



TUBING REPAIR



VENT OR FLARE



WATER DISPOSAL



WATER SHUT-OFF



OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective March 17, 2005, J.C. Thompson Operator, LLC became the operator of all wells on the attached list, which were previously operated by J.C. Thompson.

previous operator: J.C. Thompson  
7979 E Tufts Ave Pkwy #815  
Denver CO 80237-2873

N1240

by:

*J.C. Thompson*

new operator: J.C. Thompson Operator, LLC  
7979 E Tufts Ave Pkwy #815  
Denver CO 80237-2843

N2805

State + Fee BOND # LPM 8756586  
BLM Bond # LPM 4021517

NAME (PLEASE PRINT) J.C. Thompson

TITLE Member and Manager

SIGNATURE

*J.C. Thompson*

DATE 3/17/2005

(This space for State use only)

APPROVED 8/24/05

(5/2000)

Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

MAY 25 2005

DIV. OF OIL, GAS & MINING



# SCHEDULE OF PROPERTIES

J C Thompson Operator, LLC  
(effective March 17, 2005)

<u>API No.</u>	<u>Lease No.</u>	<u>Well Name</u>	<u>Location (Grand County, Utah)</u>	
4301930169	ML-27428	State 428 #1	SWSE	5-T16S-R22E
4301930193	ML-21913	State 913 #1A	C SE	9-T16S-R22E
4301930706	ML-27406	Peterson Springs #1	NWSE	14-T17S-R21E
4301916206	UTU-05109	Horse Point Unit 1-X	NWNE	14-T16S-R23E
4301920154	UTU-020509	Horsepoint M-4	SENE	6-T17S-R24E
4301930013	ML-21613	Horsepoint M-6	NESE	32-T16S-R24E
4301930049	UTU-029600	Horsepoint M-7	SWNW	6-T17S-R24E
4301915671	UTU-02981	Moonridge 31-15	NWNE	15-T16S-R21E
4301915672	UTU-03008A	Segundo #2	SWSE	33-T16S-R21E
4301915673	UTU-04600	Segundo #23-4	NESW	4-T17S-R21E
4301930895	SL-071892	Westwater C-1	NENW	12-T17S-R23E
4301930891	SL-071892	Westwater D-1	SESE	11-T17S-R23E
4301930853	SL-071893	Westwater Unit #3	S2N2NW	13-T17S-R23E
4301930852	SL-071893	Westwater Unit #5	NESW	18-T17S-R24E
4301930892	SL-071892	Westwater B-1	NWSW	17-T17S-R24E
4301915657	SL-071892	Westwater E2	SWSE	7-T17S-R24E
4301915649	SL-071892	Castlegate 2	SWNW	18-T17S-R24E
4301915650	SL-071893	Westwater Castlegate 4	NENE	13-T17S-R23E
4301915652	SL-071892	Westwater Castlegate 6	SENW	18-T17S-R24E
4301915653	UTU-04011	Westwater Castlegate 7	NESE	7-T17S-R24E
4301915656	SL-071892	Castlegate D-2	NWNE	18-T17S-R24E
4301915654	SL-071891	Westwater C9-10	SWSE	10-T17S-R23E
4301930077	SL-071892	Westwater E5	NWNE	18-T17S-R24E
4301915658	SL-071892	Westwater E3	NENW	17-T17S-R24E
4301915662	UTU-04011	Westwater M3	NWNW	7-T17S-R24E



SCHEDULE OF PROPERTIES  
J C Thompson Operator, LLC  
Page 2

<u>API No.</u>	<u>Lease No.</u>	<u>Well Name</u>	<u>Location (Grand County, Utah)</u>	
4301915660	SL-071567	Westwater M1	SESW	1-T17S-R23E
4301915661	SL-071892	Westwater M2	NWSE	12-T17S-R23E
4301915647	UTU-026A	Bryson Canyon Govt #1	SWSW	8-T17S-R24E
4301930641	UTU-15889	Middle Canyon #4-30	SWSW	30-T16S-R24E
4301930925	UTU-30123	Middle Canyon #11-30	SENW	30-T16S -R24E





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

July 26, 2005

J.C. Thompson Operator, LLC  
7979 East Tufts Avenue Parkway, #815  
Denver, Colorado 80237-2843

Re: Middle Canyon Unit  
Grand County, Utah

Gentlemen:

On June 6, 2005, we received an indenture dated March 17, 2005, whereby J.C. Thompson resigned as Unit Operator and J.C. Thompson Operator, LLC was designated as Successor Unit Operator for the Middle Canyon Unit, Grand County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective July 26, 2005. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Middle Canyon Unit Agreement.

Your Utah statewide oil and gas bond No. UTB000186 will be used to cover all Federal operations within the Middle Canyon Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Terry Catlin

Terry Catlin  
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Moab (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
File - Middle Canyon Unit (w/enclosure)  
Agr. Sec. Chron  
Reading File  
Central Files

UT922:TAThompson:tt:7/26/05

RECEIVED

JUL 28 2005

DIV. OF OIL, GAS & MINING



### 3. FILE

### Designation of Agent/Operator

## Merger

**3/17/2005**

**TO:** ( New Operator):

N2805-J. C. Thompson Operator, LLC  
7979 E Tufts Ave Pkwy, Suite 815  
Denver, CO 80237-2843

**Phone: 1-(303) 220-7772**

## MIDDLE CANYON

[illegible]

5/25/2005

5/25/2005

**YES Business Number:**

5/31/2005

requested 8/24/05

PENDING

**\*\*due to name change on bond**



7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/26/2005
8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 8/24/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/24/2005
3. Bond information entered in RBDMS on: 8/24/2005
4. Fee/State wells attached to bond in RBDMS on: 8/24/2005
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: U0068

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number LPM8756586\*\*
2. The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

**\*\* Bond rider deleted J. C. Thompson and added J. C. Thompson Operator, LLC**



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING

CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

**FROM: (Old Operator):**

N2805- J. C. Thompson  
 8400 E Prentice Ave, Suite 735  
 Greenwiid Village, CO 80111

Phone: 1 (303) 220-7772

**TO: ( New Operator):**

N8060- National Fuel Corporation  
 8400 E Prentice Ave, Suite 735  
 Greenwood Villiage, CO 80111

Phone: 1 (303) 220-7772

**CA No.**

**Unit:**

**Middle Canyon**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MDLE CYN 4-30-16-24	30	160S	240E	4301930641	8083	Federal	GW	P
FEDERAL 11-30-16-24	30	160S	240E	4301930925	8078	Federal	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/14/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/14/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/14/2012
- Is the new operator registered in the State of Utah: Business Number: 1260477-0143
- (R649-9-2)Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 8/14/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 8/31/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/31/2012
- Bond information entered in RBDMS on: 8/31/2012
- Fee/State wells attached to bond in RBDMS on: 8/31/2012
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: LPM4021517
- Indian well(s) covered by Bond Number: N/A
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM 8756586
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**



PHONE 303-220-7772  
FAX 303-220-7772

**J. C. THOMPSON OPERATOR, LLC**  
8400 E. Prentice Ave. – Suite 735  
Greenwood Village, Colorado 80111

August 9, 2012

RECEIVED

AUG 14 2012

DIV. OF OIL, GAS & MINING

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Re: Operator Change  
J.C. Thompson Operator, LLC to National Fuel Corporation

J.C. Thompson Operator, LLC, the operator of certain wells located in Grand County, Utah, requests that the designated operator of all wells be changed to National Fuel Corporation effective June 1, 2012. Accordingly, enclosed for approval is the Sundry Notice (submitted in triplicate) regarding the leases.

National Fuel Corporation is principal to its Statewide Utah Bond #LPM4021517 and the bond has been previously provided to the Salt Lake City office. The Resignation of Unit Operator and Designation of Successor Operator will also be provided accordingly.

Please advise if any additional information or documentation is required.

Sincerely,



Lynne Jansons  
Land and Contract Management  
National Fuel Corporation  
303.996.6776 (office)  
303.220.7773 (fax)  
ljansons@national-fuel.com

enclosures



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached list
2. NAME OF OPERATOR: NATIONAL FUEL CORPORATION 178060		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 8400 E Prentice Ave., Suite 7 Greenwood Village CO 80111		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: Grand QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: see attached list
PHONE NUMBER: (303) 220-7772		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2012, National Fuel Corporation succeeded J.C. Thompson Operator, LLC as operator of all wells on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. National Fuel Corporation is principal to the Statewide Utah Bond No. LPM4021517.

State: LPM 8756586

NAME (PLEASE PRINT) Diane Thompson	TITLE President and Chief Operating Officer
SIGNATURE <i>Diane Thompson</i>	DATE <i>July 30, 2012</i>

(This space for State use only)

APPROVED

AUG 31 2012

(5/2000)

DIV. OIL GAS & MINING  
Rachael Medina  
Engineer Tech

(See Instructions on Reverse Side)

RECEIVED

AUG 14 2012

DIV. OF OIL, GAS & MINING